

KIPDA Area Occupational Outlook to 2014



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Department for Workforce Investment
Office of Employment and Training



**KIPDA Area
Occupational Outlook to 2014**

**Ernie Fletcher
Governor**

**Laura E. Owens, Secretary
Kentucky Education Cabinet**

**Beth Smith, Commissioner
Department for Workforce Investment**

**Andrew J. Frauenthoffer, Executive Director
Office of Employment and Training**

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Lelia Todd, Manager

**Barrett Ross,
Labor Market Analyst**

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PREFACE

The information and projections contained in this publication are based on a broad range of labor market information and statistics that are collected and analyzed by the staff of the Labor Market Information (LMI) section.

The Occupational Employment Statistics (OES) survey of approximately 20,000 Kentucky employers provided the occupational employment data used in the study. The data obtained from the Current Employment Statistics (CES) and the Quarterly Census of Employment and Wages (QCEW) programs were used to project industries to the year 2014. Staff utilized data from all programs to project the 2014 occupational outlook publications for each of the ADDs below:

ADD 1-Purchase Area	ADD 8&9-Buffalo Trace and Gateway Areas
ADD 2-Pennyrile Area	ADD 10-FIVCO Area
ADD 3-Green River Area	ADD 11-Big Sandy Area
ADD 4-Barren River Area	ADD 12-Kentucky River Area
ADD 5-Lincoln Trail Area	ADD 13-Cumberland Valley Area
ADD 6-Louisville (KIPDA) Area	ADD 14-Lake Cumberland Area
ADD 7-Northern Kentucky Area	ADD 15-Bluegrass Area

The U.S. Department of Labor (USDOL), Employment and Training Administration (ETA) provided funding for the publication and projections. The national industry and occupational projections developed by the U. S. Department of Labor, Bureau of Labor Statistics (BLS), were used in conjunction with state and regional trends to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis, provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the projections. Special thanks to Kentucky employers who completed the questionnaires that provide the employment information necessary to complete this project.

Questions, comments, or copies:

Barrett Ross
Office of Employment and Training
Research and Statistics Branch
Human Resources Building, 2nd Floor West
275 East Main Street
Frankfort, Kentucky 40621
800-542-8840
502-564-7976
Fax: 502-564-2937
BarrettM.Ross@ky.gov

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INTRODUCTION

KIPDA Area

Which jobs will be in demand? Which occupations will provide the largest number of job openings? Which are likely to grow or decline? The *KIPDA Area Occupational Outlook to 2014* offers answers and insight regarding these often-asked questions. Students, job seekers, counselors, and others will find this information beneficial.

Tables listing the 45 occupations with the largest number of annual job openings and the fastest-growing occupations are included. They also provide occupational employment projections, the number and percentage of expected change, and the average number of annual job openings for the period 2004 to 2014.

Please note that the estimates and projections are subject to limitations that are a part of any effort to determine future conditions. Long-term job trends offer insight into the occupational growth or decline in the area. The projections are carefully prepared using accepted methods within a framework of national, state and area assumptions. However, they will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2004 through 2014. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

The development and utilization of our human resources is always a priority for those concerned with employment training. It is crucial that education and training planners, business, labor, government, and job seekers have the necessary occupational information to aid them in the development of education and training programs. This publication was intended to assist in these efforts.

NOTE: Prior to 2000, the Occupational Employment Statistics (OES) codes were used to classify occupations. The 2004-2014 projections use the Standard Occupational Classification (SOC) system. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different from those used before 2000. Several major groups have been renamed, combined, or reorganized. Some individual occupations have been renamed, reclassified, or are no longer listed. Many newer occupations may be listed for the first time. Because of these changes, the 2004-2014 projections are not comparable to those completed before 2000. Information on the SOC system is available on the U.S. Bureau of Labor Statistics SOC Home Page <http://www.bls.gov/soc/home.htm>.

KIPDA HIGHLIGHTS 2004-2014

- ✓ Employment is projected to grow from 508,967 to 572,073, a gain of 12.4 percent.
- ✓ Total annual job openings are expected to be about 18,979.
- ✓ Growth in employment will create about 6,869 job openings annually.
- ✓ Approximately 12,110 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Thirty-six percent of job openings will result from growth; the remaining 64 percent will result from separations from the labor force.
- ✓ The greatest number of annual job openings will be in Office and Administrative Support Occupations (2,775), followed by Sales and Related Occupations (2,225), and Food Preparation and Serving Related Occupations (2,132).
- ✓ Occupations with the largest percentage change are Network Systems and Data Communications Analysts (55.9%), Home Health Aides (45.7%), Mental Health Counselors (43.4%) and Animal Breeders (38.6%).
- ✓ The largest growth rates are likely to be in Postsecondary Teacher Occupations (33.8%), Supervisors of Transportation and Material Moving Worker Occupations (29.4%), and Other Teachers and Instructors Occupations (28.6%).
- ✓ The two occupations with the largest number of annual job openings are Laborers and Freight, Stock and Material Movers (Hand) (789) and Retail Salespersons (727).

USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?	1) Total average annual job openings and 2) employment change expressed as a percentage. The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.
What creates job openings?	1) Employment growth (new jobs), 2) employment separations (job vacancies created by persons separating from an occupation).
What causes employment change?	<i>Industrial growth or decline</i> has the greatest influence. This occurs when the demand for goods and services rises, thus the demand for workers increases. <i>Technological change</i> may raise the demand for some skills while eliminating the demand for others. <i>Self-service, out-sourcing, or 24 hour operations</i> can also affect employment change.
What about employment separations?	Employment separations are still important when evaluating the potential outlook for an occupation. Job openings are created when employees separate from occupations because of retirements, promotions, career changes, death, etc. The number of separations can exceed new jobs.
Do workers tend to leave one occupation more than other occupations?	Every occupation has a different rate of employment separations. Occupations requiring more education and training and/or having a high percentage of full time workers tend to have low separation rates. Those requiring little education and/or training tend to have higher separation rates.
What factors affect the number of job openings for an occupation?	1) The number of workers who are currently employed, 2) the number of job vacancies created by worker separation, and 3) the rate of change, i.e., how fast the occupation is growing or declining.
Which factor is more important?	The size of employment and separation rate is more important than rate of change.
What is the best way to compare one occupation with another?	Look at the total average annual job openings, not just openings resulting from growth. A large number of openings indicates it should be relatively easy to find a job in that occupation. Also, consider the rate of employment change. A high percentage increase denotes there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

Top 45
KIPDA Area Occupations With The Most Annual Job Openings

Occupation Code	Occupational Title	Job Openings Average Annual 2004-2014		
		Growth	Separations	Total
<u>Management Occupations</u>				
11-1021	General & Operations Mgrs.	98	136	234
11-1011	Chief Executives	45	53	98
<u>Business and Financial Operations Occupations</u>				
13-2011	Accountants & Auditors	101	74	175
<u>Education, Training and Library Occupations</u>				
25-2021	Elem. School Teachers, Ex. Special Education	55	66	121
25-3099	Teachers & Instructors, All Other	84	37	121
25-9041	Teacher Assistants	56	52	108
<u>Healthcare Practitioners and Technical Occupations</u>				
29-1111	Registered Nurses	271	250	521
29-2061	Licensed Practical & Licensed Voc. Nurses	59	75	134
<u>Healthcare Support Occupations</u>				
31-1012	Nursing Aides, Orderlies & Attendants	182	98	280
31-9091	Dental Assistants	44	54	98
31-9092	Medical Assistants	60	34	94
<u>Food Preparation and Serving Related Occupations</u>				
35-3021	Combined Food Prep. & Serving Workers	153	390	543
35-3031	Waiters & Waitresses	131	398	529
35-2014	Cooks, Restaurant	53	96	149
35-1012	Mgrs. of Food Preparation & Serving Workers	62	80	142
35-2011	Cooks, Fast Food	43	76	119
35-2021	Food Preparation Workers	37	81	118
35-3011	Bartenders	25	84	109
35-3022	Counter Attend., Cafeteria & Food Concession	17	78	95
<u>Building and Grounds Cleaning and Maintenance Occupations</u>				
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	103	148	251
37-2012	Maids & Housekeeping Cleaners	41	87	128
<u>Personal Care and Service Occupations</u>				
39-9011	Child Care Workers	111	117	228
<u>Sales and Related Occupations</u>				
41-2031	Retail Salespersons	197	530	727
41-2011	Cashiers	0	523	523
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	109	181	290
41-1011	Mgrs. of Retail Sales Workers	27	104	131

Top 45
KIPDA Area Occupations With The Most Annual Job Openings

Occupation Code	Occupational Title	Job Openings Average Annual 2004-2014		
		Growth	Separations	Total
<u>Office and Administrative Support Occupations</u>				
43-4051	Customer Service Representatives	213	143	356
43-5081	Stock Clerks & Order Fillers	0	277	277
43-9061	Office Clerks, General	47	178	225
43-4171	Receptionists & Information Clerks	61	131	192
43-6011	Executive Secretaries & Admin. Assistants	55	116	171
43-1011	Mgrs. of Office & Admin. Support Workers	31	126	157
43-3031	Bookkeeping, Accounting & Auditing Clerks	26	121	147
43-5071	Shipping, Receiving & Traffic Clerks	57	71	128
43-3071	Tellers	18	99	117
43-6014	Secretaries, Ex. Legal, Medical & Executive	0	103	103
<u>Constructing and Extraction Occupations</u>				
47-2031	Carpenters	74	64	138
47-2073	Operating Engineers & Other Constr. Equip. Ops.	45	71	116
47-1011	Mgrs. of Constr. Trades & Extraction Workers	44	46	90
<u>Installation, Maintenance and Repair Occupations</u>				
49-9042	Maintenance & Repair Workers, General	46	101	147
<u>Production Occupations</u>				
51-2092	Team Assemblers	0	166	166
<u>Transportation and Material Moving Occupations</u>				
53-7062	Laborer & Freight, Stock & Material Mover, Hand	316	473	789
53-3032	Truck Drivers, Heavy & Tractor-Trailer	213	131	344
53-3033	Truck Drivers, Light or Delivery Services	124	38	162
53-7051	Industrial Truck & Tractor Operators	61	65	126

**Top 45
Fastest Growing KIPDA Area Occupations**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment		Change		Job Openings
		Actual 2004	Projected 2014	2004-2014 Number	Percent	Average Annual 2004-2014
<u>Business and Financial Operations Occupations</u>						
13-2052	Personal Financial Advisors	251	347	96	38.2	13
13-1079	HR, Training & Labor Relations Spec.	691	893	202	29.2	32
<u>Computer and Mathematical Occupations</u>						
15-1081	Network Systems & Data Comm. Analysts	1,161	1,810	649	55.9	82
15-1032	Computer Software Engineers, Systems Soft.	593	811	218	36.8	28
15-1031	Computer Software Engineers, Applications	1,337	1,825	488	36.5	64
15-1061	Database Admin.	348	466	118	33.9	16
15-1071	Network & Computer Systems Admin.	1,145	1,524	379	33.1	55
<u>Community and Social Service Occupations</u>						
21-1014	Mental Health Counselors	226	324	98	43.4	15
<u>Education, Training and Library Occupations</u>						
25-1122	Communications Teachers, Post.	65	88	23	35.4	4
25-1052	Chemistry Teachers, Post.	34	46	12	35.3	2
25-1126	Philosophy & Religion Teachers, Post.	51	69	18	35.3	3
25-1065	Political Science Teachers, Post.	37	50	13	35.1	2
25-1113	Social Work Teachers, Post.	49	66	17	34.7	3
25-1066	Psychology Teachers, Post.	75	101	26	34.7	5
25-2011	Preschool Teachers, Ex. Special Education	1,465	1,972	507	34.6	68
25-1123	English Language & Literature Teachers, Post.	139	187	48	34.5	8
25-1042	Biological Science Teachers, Post.	93	125	32	34.4	5
25-1067	Sociology Teachers, Post.	32	43	11	34.4	2
25-1081	Education Teachers, Post.	160	215	55	34.4	10
25-1121	Art, Drama & Music Teachers, Post.	169	227	58	34.3	10
25-1021	Computer Science Teachers, Post.	73	98	25	34.2	5
25-1072	Nursing Instructors & Teachers, Post.	117	157	40	34.2	7
25-1199	Post. Teachers, All Other	206	276	70	34.0	12
25-1124	Foreign Language & Literature Teachers, Post.	56	75	19	33.9	3
25-1022	Mathematical Science Teachers, Post.	101	135	34	33.7	5
25-1011	Business Teachers, Post.	140	187	47	33.6	8
25-1125	History Teachers, Post.	33	44	11	33.3	2
25-1194	Vocational Education Teachers, Post.	461	609	148	32.1	25
25-9031	Instructional Coordinators	264	345	81	30.7	12
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	849	1,102	253	29.8	45
25-3099	Teachers & Instructors, All Other	2,965	3,808	843	28.4	121
<u>Art, Design, Entertainment, Sports and Media Occupations</u>						
27-3043	Writers & Authors	247	320	73	29.6	11

**Top 45
Fastest Growing KIPDA Area Occupations**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment Actual 2004	Projected 2014	Change 2004-2014 Number Percent		Job Openings Average Annual 2004-2014
<u>Healthcare Practitioners and Technical Occupations</u>						
29-1071	Physician Assistants	132	178	46	34.8	7
29-1122	Occupational Therapists	358	479	121	33.8	17
29-1123	Physical Therapists	499	646	147	29.5	20
29-1199	Health Diagnosing & Treat. Practitioners, Other	58	75	17	29.3	3
<u>Healthcare Support Occupations</u>						
31-1011	Home Health Aides	774	1,128	354	45.7	45
31-9092	Medical Assistants	1,860	2,456	596	32.0	94
31-2021	Physical Therapist Assistants	226	290	64	28.3	10
<u>Personal Care and Service Occupations</u>						
39-2011	Animal Trainers	189	245	56	29.6	10
39-9021	Personal & Home Care Aides	479	611	132	27.6	21
<u>Farming, Fishing, and Forestry Occupations</u>						
45-2021	Animal Breeders	101	140	39	38.6	6
<u>Transportation and Material Moving Occupations</u>						
53-3033	Truck Drivers, Light or Delivery Services	4,140	5,375	1,235	29.8	162
53-1021	Mgrs. of Helpers, Laborer & Mat. Mover, Hand	1,220	1,559	339	27.8	63
53-3041	Taxi Drivers & Chauffeurs	444	564	120	27.0	16

Explanation of Data Elements in the Occupational Outlook Table

Occupational Employment Outlook

Occupational		Employment 2004 2014		Job Growth 2004 2014		Average Annual Job Openings			Average Wage	Education/ Training Required
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	
Occupational Codes & Titles used in this report are based on the Standard Occupational Coding (SOC) structure. NOTE: Alphabetical listing beginning on page 64 will help locate a specific occupation within the tables.		Estimated 2004 employment is based on the Occupational Employment Statistics (OES) Survey of employers. Projected 2014 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2004 and 2014. NOTE: The occupational employment estimates for 2004 to 2014 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.		Number The total number of jobs in an occupation gained or lost over the 2004 to 2014 period. Percent Percent change in employment in an occupation over the 10 year period. NOTE: In Kentucky, the average growth for all occupations is projected to be 12.2 percent between 2004-2014. The growth of an occupation is classified as one of the following based on its percent change: 1) Declining (< 0%) 2) Stable (0% - 6.99%) 3) Growing (7% - 16.99%) 4) Fast Growing (17% - 23.99%) 5) Very Fast Growing (> 24%)		Growth Provides estimates of the average number of job openings expected to occur each year between 2004 and 2014. Separations Provides estimates of the average number of job openings expected to occur each year in an occupation from workers separating or leaving for reasons such as retirement, promotion, or simply transferring among occupations. These separations would require replacement workers. Total The sum of openings due to growth and openings due to separations for an occupation. NOTE: If employment growth is negative, the total number of job openings will equal the number of separations.			Average Wage in this report always refers to the 2005 mean hourly wage.	Education and/or Training Levels Required are developed by the Bureau of Labor Statistics and group occupations into eleven categories (1-11). NOTE: The various categories are described in detail on page 76 of this report.

KIPDA Area

Occupational Employment Outlook

Management Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
00-0000 Total, All Occupations		508,967	572,073	63,106	12.4	6,869	12,110	18,979	17.33	n/a
11-0000 Management Occupations		28,516	32,807	4,291	15.0	430	528	958	38.62	n/a
11-1000	Top Executives	10,042	11,468	1,426	14.2	143	189	332	n/a	n/a
11-1011	Chief Executives	2,829	3,274	445	15.7	45	53	98	67.26	4
11-1021	General & Operations Mgrs.	7,210	8,191	981	13.6	98	136	234	37.35	4
11-1031	Legislators	*	*	*	*	*	*	*	n/a	4
11-2000	Advertising, Market, Promotions, P.R. & Sales	2,654	3,112	458	17.3	46	49	95	n/a	n/a
11-2011	Advertising & Promotions Mgrs.	208	240	32	15.4	3	4	7	32.50	4
11-2021	Marketing Mgrs.	735	871	136	18.5	14	14	28	42.89	4
11-2022	Sales Mgrs.	1,349	1,586	237	17.6	24	25	49	39.16	4
11-2031	Public Relations Mgrs.	362	415	53	14.6	5	6	11	32.94	4
11-3000	Operations Specialties Mgrs.	6,499	7,472	973	15.0	97	112	209	n/a	n/a
11-3011	Administrative Services Mgrs.	697	792	95	13.6	10	14	24	27.58	4
11-3021	Computer & Information Systems Mgrs.	1,133	1,384	251	22.2	25	21	46	37.81	4
11-3031	Financial Mgrs.	2,224	2,539	315	14.2	32	32	64	42.51	4
11-3041	Compensation & Benefits Mgrs.	261	304	43	16.5	4	4	8	30.97	4
11-3042	Training & Development Mgrs.	168	209	41	24.4	4	3	7	34.45	4
11-3049	Human Resources Mgrs., All Other	376	422	46	12.2	5	6	11	37.59	4
11-3051	Industrial Production Mgrs.	673	697	24	3.6	2	13	15	37.15	8
11-3061	Purchasing Mgrs.	405	436	31	7.7	3	9	12	32.24	4
11-3071	Transportation, Storage & Distribution Mgrs.	562	689	127	22.6	13	11	24	33.42	8

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Occupational Employment Outlook

Management Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
11-9000	Other Management Occupations	9,321	10,755	1,434	15.4	145	178	323	n/a	n/a
11-9011	Farm, Ranch & Other Agricultural Mgrs.	387	394	7	1.8	1	7	8	n/a	4
11-9012	Farmers & Ranchers	*	*	*	*	*	*	*	n/a	9
11-9021	Construction Mgrs.	1,317	1,587	270	20.5	27	24	51	31.42	5
11-9031	Education Admin., Preschool, Child Care Center	200	251	51	25.5	5	5	10	15.49	4
11-9032	Education Admin., Elem. & Secondary School	433	501	68	15.7	7	11	18	n/a	4
11-9033	Education Admin., Post.	166	206	40	24.1	4	4	8	n/a	4
11-9039	Education Admin., All Other	99	112	13	13.1	1	3	4	23.77	4
11-9041	Engineering Mgrs.	507	571	64	12.6	6	10	16	43.82	4
11-9051	Food Service Mgrs.	1,954	2,371	417	21.3	42	32	74	17.38	8
11-9061	Funeral Directors	133	123	-10	-7.5	0	4	4	19.82	6
11-9081	Lodging Mgrs.	103	120	17	16.5	2	2	4	24.44	8
11-9111	Medical & Health Services Mgrs.	1,018	1,217	199	19.5	20	20	40	35.95	4
11-9121	Natural Sciences Mgrs.	*	*	*	*	*	*	*	42.80	4
11-9131	Postmasters & Mail Superintendents	39	36	-3	-7.7	0	1	1	26.13	8
11-9141	Property, Real Estate, Community Assn. Mgrs.	851	853	2	0.2	0	16	16	23.21	5
11-9151	Social & Community Service Mgrs.	403	482	79	19.6	8	8	16	24.59	5
11-9199	Mgrs., All Other	1,645	1,857	212	12.9	21	32	53	38.50	8

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Business & Financial Operations Occs.

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
13-0000 Business & Financial Operations Occupations		17,587	20,987	3,400	19.3	341	316	657	24.78	n/a
13-1000	Business Operations Spec.	9,715	11,641	1,926	19.8	193	175	368	n/a	n/a
13-1011	Agents & Business Mgrs. of Artists, Perf. & Ath.	32	34	2	6.3	0	1	1	13.88	4
13-1021	Purchasing Agents & Buyers, Farm Products	49	51	2	4.1	0	2	2	26.15	8
13-1022	Whole. & Retail Buyers, Ex. Farm Products	378	428	50	13.2	5	10	15	22.45	8
13-1023	Purchasing Agents, Ex. Wholesale & Retail	1,032	1,107	75	7.3	8	26	34	23.36	8
13-1031	Claims Adjusters, Examiners & Investigators	735	899	164	22.3	16	9	25	21.53	9
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	*	*	*	23.07	9
13-1041	Compliance Officers, Ex. Agr., Constr., Health	360	391	31	8.6	3	9	12	24.87	9
13-1051	Cost Estimators	799	948	149	18.6	15	18	33	25.40	8
13-1061	Emergency Management Spec.	*	*	*	*	*	*	*	n/a	8
13-1071	Employment, Recruitment & Placement Spec.	559	703	144	25.8	14	9	23	20.22	5
13-1072	Compensation, Benefits & Job Analysis Spec.	336	409	73	21.7	7	5	12	24.54	5
13-1073	Training & Development Spec.	818	947	129	15.8	13	13	26	21.67	5
13-1079	HR, Training & Labor Relations Spec.	691	893	202	29.2	20	12	32	22.06	5
13-1081	Logisticians	330	375	45	13.6	5	6	11	25.22	5
13-1111	Management Analysts	1,306	1,618	312	23.9	31	18	49	26.84	4
13-1121	Meeting & Convention Planners	158	182	24	15.2	2	3	5	19.77	5
13-1199	Business Operations Spec., All Other	2,087	2,599	512	24.5	51	36	87	28.48	5
13-2000	Financial Specialists	7,872	9,346	1,474	18.7	149	141	290	n/a	n/a
13-2011	Accountants & Auditors	3,923	4,929	1,006	25.6	101	74	175	26.28	5
13-2021	Appraisers & Assessors of Real Estate	*	*	*	*	*	*	*	34.20	7
13-2031	Budget Analysts	232	259	27	11.6	3	4	7	26.14	5
13-2041	Credit Analysts	149	155	6	4.0	1	2	3	23.46	5
13-2051	Financial Analysts	445	518	73	16.4	7	7	14	31.63	5
13-2052	Personal Financial Advisors	251	347	96	38.2	10	3	13	37.70	5
13-2053	Insurance Underwriters	201	227	26	12.9	3	4	7	22.85	5
13-2061	Financial Examiners	111	123	12	10.8	1	3	4	26.82	5
13-2071	Loan Counselors	*	*	*	*	*	*	*	16.88	5
13-2072	Loan Officers	1,083	1,196	113	10.4	11	17	28	24.25	5
13-2081	Tax Examiners, Collectors & Revenue Agents	*	*	*	*	*	*	*	27.11	5
13-2082	Tax Preparers	*	*	*	*	*	*	*	15.63	10
13-2099	Financial Spec., All Other	500	564	64	12.8	6	9	15	20.48	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Computer & Mathematical Occupations

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
15-0000 Computer & Mathematical Occupations		10,757	13,708	2,951	27.4	297	148	445	27.91	n/a
15-1000	Computer Specialists	10,358	13,130	2,772	26.8	289	136	425	n/a	n/a
15-1011	Computer & Information Scientists, Research	*	*	*	*	*	*	*	n/a	2
15-1021	Computer Programmers	1,650	1,629	-21	-1.3	0	39	39	28.47	5
15-1031	Computer Software Engineers, Applications	1,337	1,825	488	36.5	51	13	64	31.41	5
15-1032	Computer Software Engineers, Systems Soft.	593	811	218	36.8	22	6	28	32.94	5
15-1041	Computer Support Spec.	1,930	2,324	394	20.4	39	24	63	19.78	6
15-1051	Computer Systems Analysts	1,907	2,389	482	25.3	48	22	70	31.90	5
15-1061	Database Admin.	348	466	118	33.9	12	4	16	29.86	5
15-1071	Network & Computer Systems Admin.	1,145	1,524	379	33.1	42	13	55	27.43	5
15-1081	Network Systems & Data Comm. Analysts	1,161	1,810	649	55.9	68	14	82	27.08	5
15-1099	Computer Spec., All Other	277	336	59	21.3	6	3	9	27.09	6
15-2000	Mathematical Scientists	399	448	49	12.3	5	11	16	n/a	n/a
15-2011	Actuaries	106	127	21	19.8	2	5	7	42.28	4
15-2021	Mathematicians	*	*	*	*	*	*	*	n/a	2
15-2031	Operations Research Analysts	251	279	28	11.2	3	6	9	24.79	3
15-2041	Statisticians	*	*	*	*	*	*	*	29.35	3
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	*	*	*	n/a	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Architecture & Engineering Occupations

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
17-0000 Architecture & Engineering Occupations		5,349	5,855	506	9.5	52	125	177	25.48	n/a
17-1000	Architects, Surveyors & Cartographers	119	125	6	5.0	1	3	4	n/a	n/a
17-1011	Architects, Ex. Landscape & Naval	57	59	2	3.5	0	1	1	27.66	5
17-1012	Landscape Architects	*	*	*	*	*	*	*	27.23	5
17-1021	Cartographers & Photogrammetrists	*	*	*	*	*	*	*	18.40	5
17-1022	Surveyors	38	39	1	2.6	0	1	1	18.56	5
17-2000	Engineers	2,997	3,223	226	7.5	24	68	92	n/a	n/a
17-2011	Aerospace Engineers	*	*	*	*	*	*	*	n/a	5
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	n/a	5
17-2031	Biomedical Engineers	*	*	*	*	*	*	*	n/a	5
17-2041	Chemical Engineers	72	70	-2	-2.8	0	2	2	38.17	5
17-2051	Civil Engineers	370	387	17	4.6	2	6	8	30.12	5
17-2061	Computer Hardware Engineers	*	*	*	*	*	*	*	n/a	5
17-2071	Electrical Engineers	191	207	16	8.4	2	4	6	30.44	5
17-2072	Electronics Engineers, Ex. Computer	247	264	17	6.9	2	5	7	36.55	5
17-2081	Environmental Engineers	78	88	10	12.8	1	1	2	31.51	5
17-2111	Health & Safety Engineers, Ex. Mining Safety	102	115	13	12.7	1	3	4	30.24	5
17-2112	Industrial Engineers	761	811	50	6.6	5	18	23	31.58	5
17-2121	Marine Engineers & Naval Architects	*	*	*	*	*	*	*	n/a	5
17-2131	Materials Engineers	*	*	*	*	*	*	*	n/a	5
17-2141	Mechanical Engineers	767	871	104	13.6	10	21	31	29.87	5
17-2151	Mining & Geological Engrs., Incl. Mining Safety	*	*	*	*	*	*	*	n/a	5
17-2161	Nuclear Engineers	*	*	*	*	*	*	*	n/a	5
17-2171	Petroleum Engineers	*	*	*	*	*	*	*	n/a	5
17-2199	Engineers, All Other	354	344	-10	-2.8	0	7	7	33.34	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Architecture & Engineering Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
17-3000	Drafters, Engineering & Mapping Technicians	2,233	2,507	274	12.3	28	54	82	n/a	n/a
17-3011	Architectural & Civil Drafters	84	84	0	0.0	0	2	2	19.74	7
17-3012	Electrical & Electronics Drafters	56	51	-5	-8.9	0	2	2	19.63	7
17-3013	Mechanical Drafters	180	184	4	2.2	0	5	5	19.25	7
17-3019	Drafters, All Other	*	*	*	*	*	*	*	n/a	7
17-3021	Aerospace Engineering & Ops. Technicians	*	*	*	*	*	*	*	n/a	6
17-3022	Civil Engineering Technicians	382	423	41	10.7	4	8	12	19.62	6
17-3023	Electrical & Electronic Engineering Technicians	821	973	152	18.5	15	17	32	19.14	6
17-3024	Electro-Mechanical Technicians	*	*	*	*	*	*	*	n/a	6
17-3025	Environmental Engineering Technicians	*	*	*	*	*	*	*	n/a	6
17-3026	Industrial Engineering Technicians	124	154	30	24.2	3	3	6	17.78	6
17-3027	Mechanical Engineering Technicians	49	55	6	12.2	1	1	2	20.32	6
17-3029	Engineering Technicians, Ex. Drafters, All Other	178	185	7	3.9	1	4	5	23.49	6
17-3031	Surveying & Mapping Technicians	283	310	27	9.5	3	10	13	16.59	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Life, Physical & Social Science Occupations

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
19-0000 Life, Physical & Social Science Occupations		2,736	3,170	434	15.9	44	62	106	23.11	n/a
19-1000	Life Scientists	549	702	153	27.9	15	11	26	n/a	n/a
19-1011	Animal Scientists	*	*	*	*	*	*	*	n/a	5
19-1012	Food Scientists & Technologists	*	*	*	*	*	*	*	n/a	5
19-1013	Soil & Plant Scientists	*	*	*	*	*	*	*	n/a	5
19-1021	Biochemists & Biophysicists	*	*	*	*	*	*	*	n/a	2
19-1022	Microbiologists	*	*	*	*	*	*	*	n/a	2
19-1023	Zoologists & Wildlife Biologists	*	*	*	*	*	*	*	n/a	5
19-1029	Biological Scientists, All Other	*	*	*	*	*	*	*	n/a	5
19-1031	Conservation Scientists	*	*	*	*	*	*	*	27.71	5
19-1032	Foresters	*	*	*	*	*	*	*	n/a	5
19-1041	Epidemiologists	*	*	*	*	*	*	*	n/a	3
19-1042	Medical Scientists, Ex. Epidemiologists	*	*	*	*	*	*	*	n/a	2
19-1099	Life Scientists, All Other	31	34	3	9.7	0	1	1	n/a	5
19-2000	Physical Scientists	499	546	47	9.4	5	12	17	n/a	n/a
19-2011	Astronomers	*	*	*	*	*	*	*	n/a	2
19-2012	Physicists	*	*	*	*	*	*	*	n/a	2
19-2021	Atmospheric & Space Scientists	*	*	*	*	*	*	*	n/a	5
19-2031	Chemists	186	193	7	3.8	1	6	7	30.64	5
19-2032	Materials Scientists	*	*	*	*	*	*	*	n/a	5
19-2041	Environmental Scientists & Spec., Incl. Health	187	225	38	20.3	4	3	7	28.26	3
19-2042	Geoscientists, Ex. Hydrologists & Geographers	72	74	2	2.8	0	1	1	21.16	3
19-2043	Hydrologists	*	*	*	*	*	*	*	n/a	3
19-2099	Physical Scientists, All Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Life, Physical & Social Science Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
19-3000	Social Scientists & Related Workers	936	1,072	136	14.5	14	23	37	n/a	n/a
19-3011	Economists	*	*	*	*	*	*	*	n/a	3
19-3021	Market Research Analysts	485	533	48	9.9	5	13	18	29.33	5
19-3022	Survey Researchers	*	*	*	*	*	*	*	n/a	5
19-3031	Clinical, Counseling & School Psychologists	293	364	71	24.2	7	6	13	26.21	2
19-3039	Psychologists, All Other	*	*	*	*	*	*	*	n/a	3
19-3051	Urban & Regional Planners	*	*	*	*	*	*	*	22.18	3
19-3091	Anthropologists & Archeologists	*	*	*	*	*	*	*	n/a	3
19-3092	Geographers	*	*	*	*	*	*	*	n/a	3
19-3093	Historians	*	*	*	*	*	*	*	n/a	3
19-3094	Political Scientists	*	*	*	*	*	*	*	n/a	3
19-3099	Social Scientists & Related Workers, All Other	74	85	11	14.9	1	2	3	n/a	3
19-4000	Life, Physical & Social Science Technicians	752	850	98	13.0	10	16	26	n/a	n/a
19-4011	Agricultural & Food Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4021	Biological Technicians	*	*	*	*	*	*	*	n/a	6
19-4031	Chemical Technicians	165	163	-2	-1.2	0	4	4	18.76	6
19-4041	Geological & Petroleum Technicians	*	*	*	*	*	*	*	n/a	6
19-4061	Social Science Research Assistants	36	42	6	16.7	1	1	2	n/a	6
19-4091	Environ. Sci. & Protection Techs., Incl. Health	174	191	17	9.8	2	4	6	14.65	6
19-4092	Forensic Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4093	Forest & Conservation Technicians	*	*	*	*	*	*	*	n/a	6
19-4099	Life, Physical & Social Sci. Tech., All Other	87	99	12	13.8	1	2	3	20.29	6

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Community & Social Service Occupations

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number Percent		Average Annual 2004-2014 Growth Separations Total				
21-0000 Community & Social Services Occupations		4,714	5,628	914	19.4	91	89	180	17.32	n/a
21-1000	Counselors, Social Work. & Other Social Serv.	4,618	5,509	891	19.3	89	87	176	n/a	n/a
21-1011	Substance Abuse & Behavioral Disorder Couns.	89	98	9	10.1	1	2	3	16.05	3
21-1012	Educational, Vocational & School Counselors	666	784	118	17.7	12	15	27	21.96	3
21-1013	Marriage & Family Therapists	*	*	*	*	*	*	*	n/a	3
21-1014	Mental Health Counselors	226	324	98	43.4	10	5	15	15.50	3
21-1015	Rehabilitation Counselors	232	258	26	11.2	3	5	8	13.70	3
21-1019	Counselors, All Other	*	*	*	*	*	*	*	n/a	3
21-1021	Child, Family & School Social Workers	*	*	*	*	*	*	*	n/a	5
21-1022	Medical & Public Health Social Workers	324	401	77	23.8	8	6	14	18.81	5
21-1023	Mental Health & Subst. Abuse Social Workers	344	390	46	13.4	5	6	11	17.73	3
21-1029	Social Workers, All Other	58	68	10	17.2	1	1	2	17.42	5
21-1091	Health Educators	177	206	29	16.4	3	3	6	18.87	3
21-1092	Probation Offcr. & Correctional Treatment Spec.	*	*	*	*	*	*	*	n/a	5
21-1093	Social & Human Service Assistants	700	866	166	23.7	17	12	29	13.22	10
21-1099	Community & Social Service Spec., All Other	242	306	64	26.4	6	5	11	15.13	5
21-2000	Religious Workers	96	119	23	24.0	2	2	4	n/a	n/a
21-2011	Clergy	85	106	21	24.7	2	2	4	19.89	3
21-2021	Directors, Religious Activities & Education	*	*	*	*	*	*	*	n/a	5
21-2099	Religious Workers, All Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Occupational Employment Outlook

Legal Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
23-0000	Legal Occupations	5,002	5,611	609	12.2	62	58	120	31.53	n/a
23-1000	Lawyers, Judges & Related Workers	3,312	3,711	399	12.0	40	43	83	n/a	n/a
23-1011	Lawyers	3,097	3,490	393	12.7	39	40	79	40.00	1
23-1021	Adm. Law Judges, Adjudicators & Hearing Offcr.	*	*	*	*	*	*	*	n/a	4
23-1022	Arbitrators, Mediators & Conciliators	*	*	*	*	*	*	*	24.01	4
23-1023	Judges, Magistrate Judges & Magistrates	*	*	*	*	*	*	*	n/a	4
23-2000	Legal Support Workers	1,690	1,900	210	12.4	22	15	37	n/a	n/a
23-2011	Paralegals & Legal Assistants	1,074	1,290	216	20.1	22	9	31	17.39	6
23-2091	Court Reporters	*	*	*	*	*	*	*	n/a	7
23-2092	Law Clerks	227	226	-1	-0.4	0	3	3	15.51	5
23-2093	Title Examiners, Abstractors & Searchers	*	*	*	*	*	*	*	18.17	10
23-2099	Legal Support Workers, All Other	217	215	-2	-0.9	0	2	2	19.68	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Education, Training & Library Occupations

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
25-0000 Education, Training & Library Occupations		22,824	28,452	5,628	24.7	563	439	1,002	18.70	n/a
25-1000	Postsecondary Teachers	3,484	4,662	1,178	33.8	118	79	197	n/a	n/a
25-1011	Business Teachers, Post.	140	187	47	33.6	5	3	8	n/a	3
25-1021	Computer Science Teachers, Post.	73	98	25	34.2	3	2	5	n/a	3
25-1022	Mathematical Science Teachers, Post.	101	135	34	33.7	3	2	5	n/a	3
25-1031	Architecture Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1032	Engineering Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1041	Agricultural Sciences Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1042	Biological Science Teachers, Post.	93	125	32	34.4	3	2	5	n/a	2
25-1043	Forestry & Conservation Sci. Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1051	Atmospheric, Earth, Marine & Space Sci., Post.	*	*	*	*	*	*	*	n/a	2
25-1052	Chemistry Teachers, Post.	34	46	12	35.3	1	1	2	n/a	2
25-1054	Physics Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1061	Anthropology & Archeology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1062	Area, Ethnic & Cultural Studies Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1063	Economics Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1064	Geography Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1065	Political Science Teachers, Post.	37	50	13	35.1	1	1	2	n/a	2
25-1066	Psychology Teachers, Post.	75	101	26	34.7	3	2	5	n/a	2
25-1067	Sociology Teachers, Post.	32	43	11	34.4	1	1	2	n/a	2
25-1069	Social Sciences Teachers, Post., All Other	*	*	*	*	*	*	*	n/a	2
25-1071	Health Specialties Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1072	Nursing Instructors & Teachers, Post.	117	157	40	34.2	4	3	7	n/a	2
25-1081	Education Teachers, Post.	160	215	55	34.4	6	4	10	n/a	2
25-1082	Library Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Education, Training & Library Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
25-1111	Crim. Justice & Law Enforcement Teach., Post.	*	*	*	*	*	*	*	n/a	2
25-1112	Law Teachers, Post.	*	*	*	*	*	*	*	n/a	1
25-1113	Social Work Teachers, Post.	49	66	17	34.7	2	1	3	n/a	2
25-1121	Art, Drama & Music Teachers, Post.	169	227	58	34.3	6	4	10	n/a	3
25-1122	Communications Teachers, Post.	65	88	23	35.4	2	2	4	n/a	2
25-1123	English Language & Literature Teachers, Post.	139	187	48	34.5	5	3	8	n/a	3
25-1124	Foreign Language & Literature Teachers, Post.	56	75	19	33.9	2	1	3	n/a	3
25-1125	History Teachers, Post.	33	44	11	33.3	1	1	2	n/a	2
25-1126	Philosophy & Religion Teachers, Post.	51	69	18	35.3	2	1	3	n/a	2
25-1191	Graduate Teaching Assistants	*	*	*	*	*	*	*	n/a	5
25-1192	Home Economics Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1193	Recreation & Fitness Studies Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1194	Vocational Education Teachers, Post.	461	609	148	32.1	15	10	25	19.38	4
25-1199	Post. Teachers, All Other	206	276	70	34.0	7	5	12	n/a	2
25-2000	Primary, Secondary & Special Ed. Teachers	10,852	13,169	2,317	21.4	232	227	459	n/a	n/a
25-2011	Preschool Teachers, Ex. Special Education	1,465	1,972	507	34.6	51	17	68	9.52	7
25-2012	Kindergarten Teachers, Ex. Special Education	*	*	*	*	*	*	*	n/a	5
25-2021	Elem. School Teachers, Ex. Special Education	3,001	3,554	553	18.4	55	66	121	n/a	5
25-2022	Middle School Teachers, Ex. Special & Voc. Ed.	*	*	*	*	*	*	*	n/a	5
25-2023	Vocational Education Teachers, Middle School	*	*	*	*	*	*	*	n/a	4
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed.	*	*	*	*	*	*	*	n/a	5
25-2032	Vocational Ed. Teachers, Secondary School	*	*	*	*	*	*	*	n/a	4
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	849	1,102	253	29.8	25	20	45	n/a	5
25-2042	Special Education Teachers, Middle School	449	569	120	26.7	12	11	23	n/a	5
25-2043	Special Education Teachers, Secondary School	351	427	76	21.7	8	8	16	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Education, Training & Library Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
25-3000	Other Teachers & Instructors	4,352	5,597	1,245	28.6	125	54	179	n/a	n/a
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	125	154	29	23.2	3	2	5	n/a	5
25-3021	Self-Enrichment Education Teachers	*	*	*	*	*	*	*	15.71	8
25-3099	Teachers & Instructors, All Other	2,965	3,808	843	28.4	84	37	121	13.19	5
25-4000	Librarians, Curators & Archivists	428	482	54	12.6	5	12	17	n/a	n/a
25-4011	Archivists	*	*	*	*	*	*	*	n/a	3
25-4012	Curators	*	*	*	*	*	*	*	n/a	3
25-4013	Museum Technicians & Conservators	*	*	*	*	*	*	*	n/a	3
25-4021	Librarians	270	296	26	9.6	3	6	9	20.68	3
25-4031	Library Technicians	*	*	*	*	*	*	*	12.65	7
25-9000	Other Ed., Training & Library Occupations	3,708	4,542	834	22.5	84	68	152	n/a	n/a
25-9011	Audio-Visual Collections Spec.	*	*	*	*	*	*	*	n/a	10
25-9021	Farm & Home Management Advisors	*	*	*	*	*	*	*	n/a	5
25-9031	Instructional Coordinators	264	345	81	30.7	8	4	12	21.80	3
25-9041	Teacher Assistants	2,703	3,262	559	20.7	56	52	108	n/a	11
25-9099	Education, Training & Library Workers, Other	739	934	195	26.4	20	11	31	17.04	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Arts, Design, Entertainment, Sports & Media Occs.

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
27-0000 Arts, Design, Entertain., Sports & Media Occs.		7,295	8,141	846	11.6	94	136	230	17.88	n/a
27-1000	Art & Design Workers	2,157	2,394	237	11.0	24	33	57	n/a	n/a
27-1011	Art Directors	*	*	*	*	*	*	*	31.50	4
27-1012	Craft Artists	*	*	*	*	*	*	*	7.70	9
27-1013	Fine Artists, Incl. Painters, Sculpt. & Illustrators	66	73	7	10.6	1	1	2	n/a	9
27-1014	Multi-Media Artists & Animators	*	*	*	*	*	*	*	25.68	5
27-1019	Artists & Related Workers, All Other	*	*	*	*	*	*	*	23.37	9
27-1021	Commercial & Industrial Designers	38	47	9	23.7	1	1	2	21.59	5
27-1022	Fashion Designers	*	*	*	*	*	*	*	n/a	6
27-1023	Floral Designers	359	387	28	7.8	3	5	8	11.02	10
27-1024	Graphic Designers	717	795	78	10.9	8	10	18	18.71	5
27-1025	Interior Designers	204	232	28	13.7	3	3	6	19.50	6
27-1026	Merchandise Displayers & Window Trimmers	144	161	17	11.8	2	2	4	12.37	10
27-1027	Set & Exhibit Designers	*	*	*	*	*	*	*	17.15	5
27-1029	Designers, All Other	*	*	*	*	*	*	*	n/a	5
27-2000	Entertainers & Performers, Sports & Related	2,035	2,365	330	16.2	33	44	77	n/a	n/a
27-2011	Actors	*	*	*	*	*	*	*	n/a	9
27-2012	Producers & Directors	157	169	12	7.6	1	2	3	n/a	4
27-2021	Athletes & Sports Competitors	31	32	1	3.2	0	1	1	n/a	9
27-2022	Coaches & Scouts	950	1,121	171	18.0	17	18	35	n/a	9
27-2023	Umpires, Referees & Other Sports Officials	247	264	17	6.9	2	5	7	n/a	9
27-2031	Dancers	*	*	*	*	*	*	*	n/a	9
27-2032	Choreographers	137	162	25	18.2	3	8	11	16.93	8
27-2041	Music Directors & Composers	*	*	*	*	*	*	*	n/a	4
27-2042	Musicians & Singers	344	418	74	21.5	7	7	14	n/a	9
27-2099	Entertainers & Perf., Sports & Related, All Other	125	155	30	24.0	3	2	5	n/a	9

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Arts, Design, Entertainment, Sports, Media Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
27-3000	Media & Communication Workers	2,477	2,699	222	9.0	30	44	74	n/a	n/a
27-3011	Radio & Television Announcers	256	192	-64	-25.0	0	7	7	n/a	9
27-3012	Public Address System & Other Announcers	*	*	*	*	*	*	*	11.31	9
27-3021	Broadcast News Analysts	37	30	-7	-18.9	0	1	1	n/a	4
27-3022	Reporters & Correspondents	183	180	-3	-1.6	0	4	4	20.41	4
27-3031	Public Relations Spec.	1,167	1,329	162	13.9	16	17	33	20.51	5
27-3041	Editors	239	254	15	6.3	2	6	8	18.94	5
27-3042	Technical Writers	71	81	10	14.1	1	2	3	21.80	5
27-3043	Writers & Authors	247	320	73	29.6	7	4	11	22.70	5
27-3091	Interpreters & Translators	75	95	20	26.7	2	1	3	23.01	9
27-3099	Media & Communication Workers, All Other	179	198	19	10.6	2	2	4	n/a	9
27-4000	Media & Communication Equipment Workers	626	683	57	9.1	7	14	21	n/a	n/a
27-4011	Audio & Video Equipment Technicians	92	103	11	12.0	1	2	3	14.64	9
27-4012	Broadcast Technicians	121	111	-10	-8.3	0	3	3	17.83	6
27-4014	Sound Engineering Technicians	*	*	*	*	*	*	*	14.94	7
27-4021	Photographers	283	332	49	17.3	5	6	11	*	9
27-4031	Camera Operators, TV, Video & Motion Picture	55	56	1	1.8	0	1	1	16.36	10
27-4032	Film & Video Editors	31	33	2	6.5	0	1	1	15.26	5
27-4099	Media & Comm. Equipment Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Healthcare Practitioners & Technical Occs.

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
29-0000 Healthcare Practitioners & Technical Occs.		29,147	34,867	5,720	19.6	573	561	1,134	25.99	n/a
29-1000	Health Diagnosing & Treating Practitioners	18,191	22,068	3,877	21.3	388	360	748	n/a	n/a
29-1011	Chiropractors	*	*	*	*	*	*	*	35.11	1
29-1021	Dentists, General	322	333	11	3.4	1	5	6	50.44	1
29-1022	Oral & Maxillofacial Surgeons	*	*	*	*	*	*	*	n/a	1
29-1023	Orthodontists	*	*	*	*	*	*	*	n/a	1
29-1031	Dietitians & Nutritionists	263	320	57	21.7	6	7	13	20.42	5
29-1041	Optometrists	53	57	4	7.5	0	2	2	26.18	1
29-1051	Pharmacists	944	1,100	156	16.5	16	18	34	44.37	1
29-1061	Physicians & Surgeons	*	*	*	*	*	*	*	n/a	1
29-1062	Anesthesiologists	265	302	37	14.0	4	4	8	64.58	1
29-1063	Family & General Practitioners	245	280	35	14.3	4	3	7	58.05	1
29-1064	Internists, General	146	165	19	13.0	2	2	4	91.83	1
29-1065	Obstetricians & Gynecologists	*	*	*	*	*	*	*	54.00	1
29-1066	Pediatricians, General	*	*	*	*	*	*	*	86.53	1
29-1067	Psychiatrists	392	438	46	11.7	5	5	10	93.13	1
29-1069	Surgeons	1,235	1,481	246	19.9	25	17	42	n/a	1
29-1071	Physician Assistants	132	178	46	34.8	5	2	7	32.71	5
29-1081	Podiatrists	*	*	*	*	*	*	*	n/a	1
29-1111	Registered Nurses	11,934	14,646	2,712	22.7	271	250	521	26.48	6
29-1121	Audiologists	*	*	*	*	*	*	*	21.69	1
29-1122	Occupational Therapists	358	479	121	33.8	12	5	17	26.99	3
29-1123	Physical Therapists	499	646	147	29.5	15	5	20	29.43	3
29-1124	Radiation Therapists	38	43	5	13.2	1	1	2	n/a	6
29-1125	Recreational Therapists	35	35	0	0.0	0	1	1	15.72	5
29-1126	Respiratory Therapists	554	676	122	22.0	12	18	30	21.18	6
29-1127	Speech-Language Pathologists	334	384	50	15.0	5	8	13	27.49	3
29-1129	Therapists, All Other	40	45	5	12.5	1	1	2	n/a	5
29-1131	Veterinarians	52	61	9	17.3	1	1	2	29.04	1
29-1199	Health Diagnosing & Treat. Practitioners, Other	58	75	17	29.3	2	1	3	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Healthcare Practitioners & Tech. Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
29-2000	Health Technologists & Technicians	10,635	12,416	1,781	16.7	179	195	374	n/a	n/a
29-2011	Medical & Clinical Laboratory Technologists	746	849	103	13.8	10	20	30	22.36	5
29-2012	Medical & Clinical Laboratory Technicians	352	407	55	15.6	6	10	16	14.90	6
29-2021	Dental Hygienists	348	426	78	22.4	8	3	11	25.28	6
29-2031	Cardiovascular Technologists & Technicians	390	463	73	18.7	7	7	14	17.83	6
29-2032	Diagnostic Medical Sonographers	164	199	35	21.3	4	3	7	24.13	6
29-2033	Nuclear Medicine Technologists	87	100	13	14.9	1	2	3	23.88	6
29-2034	Radiologic Technologists & Technicians	962	1,146	184	19.1	18	18	36	20.80	6
29-2041	Emergency Medical Technicians & Paramedics	362	429	67	18.5	7	4	11	11.82	7
29-2051	Dietetic Technicians	80	100	20	25.0	2	1	3	12.31	10
29-2052	Pharmacy Technicians	1,394	1,634	240	17.2	24	18	42	11.49	10
29-2053	Psychiatric Technicians	324	319	-5	-1.5	0	4	4	n/a	10
29-2054	Respiratory Therapy Technicians	156	157	1	0.6	0	2	2	17.46	6
29-2055	Surgical Technologists	471	560	89	18.9	9	6	15	16.53	7
29-2056	Veterinary Technologists & Technicians	55	69	14	25.5	1	1	2	11.33	6
29-2061	Licensed Practical & Licensed Voc. Nurses	3,459	4,052	593	17.1	59	75	134	17.57	7
29-2071	Medical Records & Health Info. Technicians	751	909	158	21.0	16	11	27	14.60	6
29-2081	Opticians, Dispensing	129	131	2	1.6	0	2	2	12.00	9
29-2091	Orthotists & Prosthetists	*	*	*	*	*	*	*	22.66	5
29-2099	Health Technologists & Technicians, All Other	366	425	59	16.1	6	7	13	18.27	7
29-9000	Other Healthcare Practitioners & Tech. Occs.	321	383	62	19.3	6	6	12	n/a	n/a
29-9011	Occupational Health & Safety Spec.	124	150	26	21.0	3	3	6	24.21	5
29-9012	Occupational Health & Safety Technicians	*	*	*	*	*	*	*	n/a	7
29-9091	Athletic Trainers	*	*	*	*	*	*	*	n/a	5
29-9099	Healthcare Practitioners & Tech. Workers, Other	155	176	21	13.5	2	3	5	15.72	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Occupational Employment Outlook

Healthcare Support Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
31-0000 Healthcare Support Occupations		14,879	18,526	3,647	24.5	365	248	613	11.87	n/a
31-1000	Nursing, Psychiatric & Home Health Aides	8,331	10,499	2,168	26.0	217	109	326	n/a	n/a
31-1011	Home Health Aides	774	1,128	354	45.7	35	10	45	9.57	11
31-1012	Nursing Aides, Orderlies & Attendants	7,482	9,298	1,816	24.3	182	98	280	11.34	7
31-1013	Psychiatric Aides	*	*	*	*	*	*	*	10.01	11
31-2000	Occupational & Phys. Therapist Assist. & Aides	350	446	96	27.4	10	6	16	n/a	n/a
31-2011	Occupational Therapist Assistants	*	*	*	*	*	*	*	21.56	6
31-2012	Occupational Therapist Aides	*	*	*	*	*	*	*	n/a	11
31-2021	Physical Therapist Assistants	226	290	64	28.3	6	4	10	19.24	6
31-2022	Physical Therapist Aides	67	80	13	19.4	1	1	2	9.83	11
31-9000	Other Healthcare Support Occupations	6,198	7,581	1,383	22.3	138	133	271	n/a	n/a
31-9011	Massage Therapists	126	136	10	7.9	1	2	3	13.14	7
31-9091	Dental Assistants	1,936	2,379	443	22.9	44	54	98	13.77	10
31-9092	Medical Assistants	1,860	2,456	596	32.0	60	34	94	12.03	10
31-9093	Medical Equipment Preparers	346	412	66	19.1	7	6	13	12.99	11
31-9094	Medical Transcriptionists	631	737	106	16.8	11	12	23	14.56	7
31-9095	Pharmacy Aides	112	121	9	8.0	1	2	3	9.79	11
31-9096	Vet. Assistants & Laboratory Animal Caretakers	88	98	10	11.4	1	2	3	9.44	11
31-9099	Healthcare Support Workers, All Other	1,099	1,242	143	13.0	14	20	34	11.46	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Occupational Employment Outlook

Protective Service Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
33-0000 Protective Service Occupations		6,854	7,548	694	10.1	78	220	298	13.51	n/a
33-1000	Mgrs., Protective Service Workers	702	799	97	13.8	10	23	33	n/a	n/a
33-1011	Mgrs. of Correctional Officers	214	228	14	6.5	1	6	7	n/a	8
33-1012	Mgrs. of Police & Detectives	*	*	*	*	*	*	*	27.30	8
33-1021	Mgrs. of Fire Fighting & Prevent	172	213	41	23.8	4	7	11	26.94	8
33-1099	Mgrs. of Protective Service Workers, Other	114	126	12	10.5	1	3	4	17.49	8
33-2000	Fire Fighting & Prevention Workers	1,257	1,572	315	25.1	32	36	68	n/a	n/a
33-2011	Fire Fighters	1,186	1,505	319	26.9	32	34	66	14.06	9
33-2021	Fire Inspectors & Investigators	*	*	*	*	*	*	*	16.34	8
33-2022	Forest Fire Inspectors & Prevention Spec.	2,231	2,489	258	11.6	26	53	79	n/a	8
33-3000	Law Enforcement Workers	*	*	*	*	*	*	*	n/a	n/a
33-3011	Bailiffs	*	*	*	*	*	*	*	n/a	10
33-3012	Correctional Officers & Jailers	*	*	*	*	*	*	*	n/a	10
33-3021	Detectives & Criminal Investigators	*	*	*	*	*	*	*	27.26	8
33-3031	Fish & Game Wardens	*	*	*	*	*	*	*	n/a	6
33-3041	Parking Enforcement Workers	*	*	*	*	*	*	*	n/a	11
33-3051	Police & Sheriff's Patrol Officers	*	*	*	*	*	*	*	16.52	9
33-3052	Transit & Railroad Police	*	*	*	*	*	*	*	n/a	9
33-9000	Other Protective Service Workers	2,664	2,688	24	0.9	11	108	119	n/a	n/a
33-9011	Animal Control Workers	*	*	*	*	*	*	*	n/a	10
33-9021	Private Detectives & Investigators	73	86	13	17.8	1	2	3	15.09	8
33-9031	Gaming Surveillance Ofcrs. & Investigators	*	*	*	*	*	*	*	n/a	10
33-9032	Security Guards	1,499	1,418	-81	-5.4	0	33	33	10.40	11
33-9091	Crossing Guards	*	*	*	*	*	*	*	n/a	11
33-9092	Lifeguards, Ski Patrol & Rec. Protective Workers	694	754	60	8.6	6	48	54	8.34	11
33-9099	Protective Service Workers, All Other	332	349	17	5.1	2	23	25	14.38	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Food Preparation & Serving Related Occs.

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
35-0000 Food Preparation & Serving Related Occs.		38,400	44,584	6,184	16.1	619	1,513	2,132	8.32	n/a
35-1000	Supervisors, Food Prep. & Serving Workers	3,816	4,524	708	18.6	71	94	165	n/a	n/a
35-1011	Chefs & Head Cooks	467	560	93	19.9	9	14	23	14.36	8
35-1012	Mgrs. of Food Preparation & Serving Workers	3,349	3,964	615	18.4	62	80	142	13.45	8
35-2000	Cooks & Food Preparation Workers	10,044	11,621	1,577	15.7	158	321	479	n/a	n/a
35-2011	Cooks, Fast Food	2,443	2,875	432	17.7	43	76	119	6.89	11
35-2012	Cooks, Institution & Cafeteria	1,521	1,699	178	11.7	18	47	65	10.64	10
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	n/a	9
35-2014	Cooks, Restaurant	3,095	3,620	525	17.0	53	96	149	9.75	9
35-2015	Cooks, Short Order	685	761	76	11.1	8	21	29	7.82	11
35-2019	Cooks, All Other	*	*	*	*	*	*	*	n/a	10
35-2021	Food Preparation Workers	2,294	2,662	368	16.0	37	81	118	9.20	11
35-3000	Food & Beverage Serving Workers	20,714	24,000	3,286	15.9	329	972	1,301	n/a	n/a
35-3011	Bartenders	2,124	2,375	251	11.8	25	84	109	7.35	11
35-3021	Combined Food Prep. & Serving Workers	9,005	10,531	1,526	16.9	153	390	543	7.19	11
35-3022	Counter Attend., Cafeteria & Food Concession	1,187	1,361	174	14.7	17	78	95	7.77	11
35-3031	Waiters & Waitresses	7,738	9,050	1,312	17.0	131	398	529	6.92	11
35-3041	Food Servers, Nonrestaurant	660	683	23	3.5	2	22	24	7.67	11
35-9000	Other Food Prep. & Serving Related Workers	3,826	4,439	613	16.0	61	126	187	n/a	n/a
35-9011	Dining & Cafeteria Attend. & Bartender Helpers	952	1,096	144	15.1	14	32	46	7.41	11
35-9021	Dishwashers	1,613	1,874	261	16.2	26	54	80	8.18	11
35-9031	Hosts & Hostesses, Restaurant & Lounge	1,190	1,395	205	17.2	21	38	59	7.95	11
35-9099	Food Prep. & Serving Related Workers, Other	71	74	3	4.2	0	2	2	9.30	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Building, Grounds Cleaning & Maintenance Occs.

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
37-0000	Building & Grounds Cleaning & Maint. Occs.	15,342	17,198	1,856	12.1	186	308	494	9.53	n/a
37-1000	Sprvisors., Bldg. & Grounds Cleaning Workers	1,438	1,661	223	15.5	22	31	53	n/a	n/a
37-1011	Mgrs. of Housekeeping & Janitorial Workers	1,226	1,404	178	14.5	18	29	47	11.78	8
37-1012	Mgrs. of Landscaping, Lawn Service	212	257	45	21.2	5	2	7	18.26	8
37-2000	Building Cleaning & Pest Control Workers	11,987	13,430	1,443	12.0	144	236	380	n/a	n/a
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	7,795	8,823	1,028	13.2	103	148	251	8.42	11
37-2012	Maids & Housekeeping Cleaners	4,159	4,570	411	9.9	41	87	128	8.48	11
37-2019	Building Cleaning Workers, All Other	*	*	*	*	*	*	*	n/a	11
37-2021	Pest Control Workers	*	*	*	*	*	*	*	12.97	10
37-3000	Grounds Maintenance Workers	1,917	2,107	190	9.9	19	42	61	n/a	n/a
37-3011	Landscaping & Groundskeeping Workers	1,848	2,033	185	10.0	19	40	59	11.41	11
37-3012	Pesticide Handlers, Sprayers & Applic., Veget.	*	*	*	*	*	*	*	13.19	10
37-3013	Tree Trimmers & Pruners	32	32	0	0.0	0	1	1	n/a	11
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	*	*	*	11.30	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Personal Care & Service Occupations

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
39-0000 Personal Care & Service Occupations		13,867	16,237	2,370	17.1	238	351	589	9.77	n/a
39-1000	Supervisors, Personal Care & Service Workers	903	1,066	163	18.1	16	23	39	n/a	n/a
39-1011	Gaming Supervisors	*	*	*	*	*	*	*	n/a	8
39-1021	Mgrs. of Personal Service Workers	897	1,059	162	18.1	16	23	39	14.44	8
39-2000	Animal Care & Service Workers	1,216	1,503	287	23.6	29	29	58	n/a	n/a
39-2011	Animal Trainers	189	245	56	29.6	6	4	10	17.62	10
39-2021	Nonfarm Animal Caretakers	1,027	1,258	231	22.5	23	26	49	9.30	11
39-3000	Entertainment Attendants & Related Workers	1,377	1,558	181	13.1	19	49	68	n/a	n/a
39-3012	Gaming & Sports Book Writers & Runners	*	*	*	*	*	*	*	n/a	11
39-3021	Motion Picture Projectionists	46	42	-4	-8.7	0	2	2	13.68	11
39-3031	Ushers, Lobby Attendants & Ticket Takers	294	330	36	12.2	4	17	21	7.89	11
39-3091	Amusement & Recreation Attendants	806	927	121	15.0	12	23	35	7.45	11
39-3092	Costume Attendants	*	*	*	*	*	*	*	n/a	11
39-3093	Locker, Coatroom & Dressing Room Attendants	80	85	5	6.3	1	2	3	9.30	11
39-3099	Entertainment Attend. & Related Workers, Other	*	*	*	*	*	*	*	9.21	10
39-4000	Funeral Service Workers	154	159	5	3.2	1	3	4	n/a	n/a
39-4011	Embalmers	*	*	*	*	*	*	*	14.69	7
39-4021	Funeral Attendants	101	103	2	2.0	0	2	2	8.37	11
39-5000	Personal Appearance Workers	2,167	2,295	128	5.9	13	47	60	n/a	n/a
39-5011	Barbers	*	*	*	*	*	*	*	13.97	7
39-5012	Hairdressers, Hairstylists & Cosmetologists	1,437	1,530	93	6.5	9	28	37	11.20	7
39-5091	Makeup Artists, Theatrical & Performance	*	*	*	*	*	*	*	n/a	7
39-5092	Manicurists & Pedicurists	115	126	11	9.6	1	2	3	10.93	7
39-5093	Shampooers	*	*	*	*	*	*	*	n/a	11
39-5094	Skin Care Spec.	*	*	*	*	*	*	*	n/a	7
39-6000	Transportation, Tourism & Lodging Attendants	285	299	14	4.9	2	8	10	n/a	n/a
39-6011	Baggage Porters & Bellhops	122	126	4	3.3	0	3	3	7.70	11
39-6012	Concierges	74	67	-7	-9.5	0	2	2	8.43	10
39-6021	Tour Guides & Escorts	80	97	17	21.3	2	2	4	10.50	10
39-6022	Travel Guides	*	*	*	*	*	*	*	n/a	10
39-6031	Flight Attendants	*	*	*	*	*	*	*	n/a	9
39-6032	Transp. Attend., Ex. Flight Attend., Bag Porters	*	*	*	*	*	*	*	n/a	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Personal Care & Service Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
39-9000	Other Personal Care & Service Workers	7,765	9,357	1,592	20.5	159	192	351	n/a	n/a
39-9011	Child Care Workers	4,294	5,402	1,108	25.8	111	117	228	7.52	11
39-9021	Personal & Home Care Aides	479	611	132	27.6	13	8	21	8.38	11
39-9031	Fitness Trainers & Aerobics Instructors	908	970	62	6.8	6	21	27	11.41	7
39-9032	Recreation Workers	1,563	1,724	161	10.3	16	36	52	10.38	11
39-9041	Residential Advisors	*	*	*	*	*	*	*	10.76	10
39-9099	Personal Care & Service Workers, All Other	372	449	77	20.7	8	8	16	10.14	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Occupational Employment Outlook

Sales & Related Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
41-0000 Sales & Related Occupations		54,330	59,255	4,925	9.1	517	1,708	2,225	16.42	n/a
41-1000	Supervisors, Sales Workers	7,915	8,354	439	5.5	44	144	188	n/a	n/a
41-1011	Mgrs. of Retail Sales Workers	5,804	6,073	269	4.6	27	104	131	17.12	8
41-1012	Mgrs. of Non-Retail Sales Workers	2,111	2,281	170	8.1	17	40	57	28.24	8
41-2000	Retail Sales Workers	27,714	29,822	2,108	7.6	223	1,136	1,359	n/a	n/a
41-2011	Cashiers	10,750	10,694	-56	-0.5	0	523	523	8.21	11
41-2012	Gaming Change Persons & Booth Cashiers	*	*	*	*	*	*	*	n/a	11
41-2021	Counter & Rental Clerks	1,506	1,769	263	17.5	26	58	84	9.14	11
41-2022	Parts Salespersons	877	810	-67	-7.6	0	25	25	14.24	10
41-2031	Retail Salespersons	14,581	16,549	1,968	13.5	197	530	727	11.06	11
41-3000	Sales Representatives, Services	5,759	6,629	870	15.1	88	111	199	n/a	n/a
41-3011	Advertising Sales Agents	611	658	47	7.7	5	12	17	23.41	10
41-3021	Insurance Sales Agents	1,879	2,219	340	18.1	34	45	79	31.17	5
41-3031	Securities, Commodities & Financial Serv. Sales	1,095	1,253	158	14.4	16	12	28	41.56	5
41-3041	Travel Agents	140	130	-10	-7.1	0	3	3	12.35	7
41-3099	Sales Representatives, Services, All Other	2,034	2,369	335	16.5	34	39	73	23.41	10
41-4000	Sales Reps., Wholesale & Manufacturing	8,974	10,393	1,419	15.8	142	236	378	n/a	n/a
41-4011	Sales Reps., Wholesale & Manuf., Tech. & Sci.	2,069	2,403	334	16.1	33	54	87	32.66	10
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	6,905	7,990	1,085	15.7	109	181	290	26.06	10
41-9000	Other Sales & Related Workers	3,968	4,057	89	2.2	20	82	102	n/a	n/a
41-9011	Demonstrators & Product Promoters	169	190	21	12.4	2	4	6	12.22	10
41-9012	Models	*	*	*	*	*	*	*	n/a	10
41-9021	Real Estate Brokers	*	*	*	*	*	*	*	15.75	8
41-9022	Real Estate Sales Agents	1,668	1,665	-3	-0.2	0	33	33	15.94	7
41-9031	Sales Engineers	130	137	7	5.4	1	4	5	29.50	5
41-9041	Telemarketers	591	482	-109	-18.4	0	10	10	11.77	11
41-9091	Door-To-Door Sales, News & Street Vendors	*	*	*	*	*	*	*	n/a	11
41-9099	Sales & Related Workers, All Other	406	452	46	11.3	5	8	13	16.51	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Office & Administrative Support Occs.

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
43-0000 Office & Administrative Support Occupations		91,499	95,689	4,190	4.6	692	2,083	2,775	13.78	n/a
43-1000	Supervisors, Office & Admin. Support Workers	5,887	6,199	312	5.3	31	126	157	n/a	n/a
43-1011	Mgrs. of Office & Admin. Support Workers	5,887	6,199	312	5.3	31	126	157	20.00	8
43-2000	Communications Equipment Operators	724	614	-110	-15.2	0	19	19	n/a	n/a
43-2011	Switchboard Operators, Incl. Answering Service	621	547	-74	-11.9	0	16	16	11.37	11
43-2021	Telephone Operators	99	64	-35	-35.4	0	3	3	n/a	11
43-2099	Communications Equipment Operators, All Other	*	*	*	*	*	*	*	n/a	11
43-3000	Financial Clerks	14,949	15,880	931	6.2	97	343	440	n/a	n/a
43-3011	Bill & Account Collectors	2,409	2,832	423	17.6	42	45	87	13.77	11
43-3021	Billing & Posting Clerks & Machine Operators	3,191	3,169	-22	-0.7	0	54	54	13.39	10
43-3031	Bookkeeping, Accounting & Auditing Clerks	6,431	6,693	262	4.1	26	121	147	14.33	10
43-3051	Payroll & Timekeeping Clerks	720	823	103	14.3	10	19	29	15.48	10
43-3061	Procurement Clerks	192	178	-14	-7.3	0	5	5	16.27	11
43-3071	Tellers	2,006	2,185	179	8.9	18	99	117	10.93	11
43-4000	Information & Record Clerks	24,078	26,793	2,715	11.3	334	480	814	n/a	n/a
43-4011	Brokerage Clerks	165	179	14	8.5	1	2	3	15.58	10
43-4021	Correspondence Clerks	148	144	-4	-2.7	0	4	4	13.69	11
43-4031	Court, Municipal & License Clerks	*	*	*	*	*	*	*	n/a	11
43-4041	Credit Authorizers, Checkers & Clerks	100	58	-42	-42.0	0	2	2	14.92	11
43-4051	Customer Service Representatives	9,628	11,757	2,129	22.1	213	143	356	14.00	10
43-4061	Eligibility Interviewers, Government Programs	94	95	1	1.1	0	3	3	n/a	10
43-4071	File Clerks	860	511	-349	-40.6	0	26	26	9.84	11
43-4081	Hotel, Motel & Resort Desk Clerks	620	669	49	7.9	5	28	33	8.67	11
43-4111	Interviewers, Ex. Eligibility & Loan	1,144	1,358	214	18.7	21	30	51	10.59	11
43-4121	Library Assistants, Clerical	131	151	20	15.3	2	5	7	12.05	11
43-4131	Loan Interviewers & Clerks	1,019	1,026	7	0.7	1	14	15	14.41	11
43-4141	New Accounts Clerks	*	*	*	*	*	*	*	12.33	8
43-4151	Order Clerks	1,052	827	-225	-21.4	0	24	24	13.39	11
43-4161	H.R. Assistants, Ex. Payroll & Timekeeping	494	576	82	16.6	8	11	19	15.66	11
43-4171	Receptionists & Information Clerks	5,347	5,953	606	11.3	61	131	192	10.92	11
43-4181	Reservation & Transp. Ticket Agents & Clerks	*	*	*	*	*	*	*	15.00	11
43-4199	Information & Record Clerks, All Other	2,429	2,521	92	3.8	9	38	47	14.64	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Office & Administrative Support Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
43-5000	Material Recording, Dispatching & Distributing	17,397	17,346	-51	-0.3	89	512	601	n/a	n/a
43-5011	Cargo & Freight Agents	480	504	24	5.0	2	11	13	18.90	10
43-5021	Couriers & Messengers	1,082	1,186	104	9.6	10	25	35	9.69	11
43-5031	Police, Fire & Ambulance Dispatchers	213	246	33	15.5	3	5	8	13.37	10
43-5032	Dispatchers, Ex. Police, Fire & Ambulance	884	950	66	7.5	7	19	26	16.24	10
43-5041	Meter Readers, Utilities	290	144	-146	-50.3	0	9	9	12.70	11
43-5051	Postal Service Clerks	242	227	-15	-6.2	0	6	6	22.62	11
43-5052	Postal Service Mail Carriers	1,126	1,059	-67	-6.0	0	35	35	21.79	11
43-5053	Postal Service Mail Sorters & Processors	850	800	-50	-5.9	0	23	23	20.49	11
43-5061	Production, Planning & Expediting Clerks	940	1,031	91	9.7	9	23	32	18.20	11
43-5071	Shipping, Receiving & Traffic Clerks	3,461	4,030	569	16.4	57	71	128	12.98	11
43-5081	Stock Clerks & Order Fillers	7,476	6,854	-622	-8.3	0	277	277	11.18	11
43-5111	Weigher, Measurer, Checker, Sampler, Records.	353	315	-38	-10.8	0	9	9	12.01	11
43-6000	Secretaries & Administrative Assistants	13,458	13,810	352	2.6	64	258	322	n/a	n/a
43-6011	Executive Secretaries & Admin. Assistants	6,067	6,618	551	9.1	55	116	171	15.88	10
43-6012	Legal Secretaries	892	951	59	6.6	6	17	23	17.01	7
43-6013	Medical Secretaries	1,104	1,134	30	2.7	3	21	24	12.46	7
43-6014	Secretaries, Ex. Legal, Medical & Executive	5,395	5,107	-288	-5.3	0	103	103	12.15	10
43-9000	Other Office & Administrative Support Workers	15,006	15,047	41	0.3	77	346	423	n/a	n/a
43-9011	Computer Operators	454	289	-165	-36.3	0	10	10	16.53	10
43-9021	Data Entry Keyers	1,794	1,804	10	0.6	1	42	43	11.10	10
43-9022	Word Processors & Typists	567	509	-58	-10.2	0	13	13	12.61	10
43-9031	Desktop Publishers	134	157	23	17.2	2	3	5	14.81	7
43-9041	Insurance Claims & Policy Processing Clerks	763	836	73	9.6	7	12	19	15.70	10
43-9051	Mail Clerks & Mail Machine Ops., Ex. Postal	*	*	*	*	*	*	*	12.78	11
43-9061	Office Clerks, General	8,026	8,499	473	5.9	47	178	225	12.00	11
43-9071	Office Machine Operators, Ex. Computer	252	191	-61	-24.2	0	6	6	12.30	11
43-9081	Proofreaders & Copy Markers	102	100	-2	-2.0	0	2	2	13.81	11
43-9111	Statistical Assistants	*	*	*	*	*	*	*	18.55	10
43-9199	Office & Administrative Support Workers, Other	1,123	1,318	195	17.4	20	27	47	15.96	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Farming, Fishing & Forestry Occupations

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
45-0000 Farming, Fishing & Forestry Occupations		1,871	1,850	-21	-1.1	9	51	60	10.59	n/a
45-1000	Supervisors, Farming, Fishing & Forestry Work.	118	127	9	7.6	1	3	4	n/a	n/a
45-1011	Mgrs. of Farming, Fishing & Forestry Workers	117	126	9	7.7	1	3	4	14.41	8
45-1012	Farm Labor Contractors	*	*	*	*	*	*	*	n/a	8
45-2000	Agricultural Workers	1,744	1,715	-29	-1.7	8	48	56	n/a	n/a
45-2011	Agricultural Inspectors	38	41	3	7.9	0	1	1	n/a	8
45-2021	Animal Breeders	101	140	39	38.6	4	2	6	10.49	11
45-2041	Graders & Sorters, Agricultural Products	*	*	*	*	*	*	*	n/a	8
45-2091	Agricultural Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-2092	Farmworkers & Laborers, Crop, Nursery	1,026	922	-104	-10.1	0	29	29	9.62	11
45-2093	Farmworkers, Farm & Ranch Animals	442	482	40	9.0	4	13	17	9.76	11
45-2099	Agricultural Workers, All Other	*	*	*	*	*	*	*	n/a	11
45-3000	Fishing & Hunting Workers	*	*	*	*	*	*	*	n/a	n/a
45-3011	Fishers & Related Fishing Workers	*	*	*	*	*	*	*	n/a	10
45-4000	Forest, Conservation & Logging Workers	*	*	*	*	*	*	*	n/a	10
45-4011	Forest & Conservation Workers	*	*	*	*	*	*	*	n/a	10
45-4021	Fallers	*	*	*	*	*	*	*	n/a	10
45-4022	Logging Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-4023	Log Graders & Scalers	*	*	*	*	*	*	*	n/a	n/a
45-4029	Logging Workers, All Other	*	*	*	*	*	*	*	n/a	n/a

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Construction & Extraction Occupations

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
47-0000 Construction & Extraction Occupations		25,445	28,997	3,552	14.0	357	513	870	17.51	8
47-1000	Supervisors, Construction & Extraction Workers	2,709	3,153	444	16.4	44	46	90	n/a	n/a
47-1011	Mgrs. of Constr. Trades & Extraction Workers	2,709	3,153	444	16.4	44	46	90	23.03	9
47-2000	Construction Trades Workers	20,078	22,850	2,772	13.8	278	383	661	n/a	n/a
47-2011	Boilermakers	205	222	17	8.3	2	8	10	n/a	9
47-2021	Brickmasons & Blockmasons	473	551	78	16.5	8	7	15	19.62	9
47-2022	Stonemasons	*	*	*	*	*	*	*	n/a	9
47-2031	Carpenters	3,919	4,655	736	18.8	74	64	138	17.36	10
47-2041	Carpet Installers	*	*	*	*	*	*	*	16.13	10
47-2042	Floor Layers, Ex. Carpet, Wood & Hard Tiles	*	*	*	*	*	*	*	n/a	10
47-2043	Floor Sanders & Finishers	*	*	*	*	*	*	*	n/a	9
47-2044	Tile & Marble Setters	*	*	*	*	*	*	*	16.42	10
47-2051	Cement Masons & Concrete Finishers	553	643	90	16.3	9	11	20	15.09	9
47-2053	Terrazzo Workers & Finishers	*	*	*	*	*	*	*	n/a	10
47-2061	Construction Laborers	3,607	3,732	125	3.5	13	48	61	12.70	10
47-2071	Paving, Surfacing & Tamping Equip. Operators	351	413	62	17.7	6	5	11	12.50	10
47-2072	Pile-Driver Operators	*	*	*	*	*	*	*	n/a	10
47-2073	Operating Engineers & Other Constr. Equip. Ops.	2,761	3,211	450	16.3	45	71	116	17.81	10
47-2081	Drywall & Ceiling Tile Installers	372	418	46	12.4	5	8	13	16.92	10
47-2082	Tapers	73	78	5	6.8	1	2	3	18.18	9
47-2111	Electricians	2,192	2,437	245	11.2	25	43	68	20.84	9
47-2121	Glaziers	397	471	74	18.6	7	8	15	13.49	10
47-2131	Insulation Workers, Floor, Ceiling & Wall	215	210	-5	-2.3	0	7	7	16.83	10
47-2132	Insulation Workers, Mechanical	*	*	*	*	*	*	*	20.29	10
47-2141	Painters, Construction & Maintenance	887	1,100	213	24.0	21	14	35	15.13	10
47-2142	Paperhangers	*	*	*	*	*	*	*	n/a	10
47-2151	Pipelayers	248	287	39	15.7	4	6	10	16.92	9
47-2152	Plumbers, Pipefitters & Steamfitters	1,524	1,744	220	14.4	22	35	57	21.20	9
47-2161	Plasterers & Stucco Masons	*	*	*	*	*	*	*	n/a	9
47-2171	Reinforcing Iron & Rebar Workers	153	174	21	13.7	2	3	5	19.71	10
47-2181	Roofers	403	491	88	21.8	9	9	18	15.65	9
47-2211	Sheet Metal Workers	713	790	77	10.8	8	17	25	18.76	10
47-2221	Structural Iron & Steel Workers	360	408	48	13.3	5	7	12	20.40	9

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Construction & Extraction Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
47-3000	Helpers, Construction Trades	1,541	1,703	162	10.5	17	64	81	n/a	n/a
47-3011	Helpers--Brick, Block, Stone & Tile Setters	236	268	32	13.6	3	10	13	11.16	11
47-3012	Helpers--Carpenters	486	543	57	11.7	6	20	26	10.27	11
47-3013	Helpers--Electricians	294	303	9	3.1	1	12	13	12.39	11
47-3014	Helpers--Paint, Paperhanger, Plasterer & Stucco	53	59	6	11.3	1	2	3	9.29	11
47-3015	Helpers--Pipelayer & Fitter, Plumber, Steamfitter	350	405	55	15.7	6	15	21	10.85	11
47-3016	Helpers--Roofers	61	70	9	14.8	1	3	4	12.03	11
47-3019	Helpers, Construction Trades, All Other	61	55	-6	-9.8	0	3	3	n/a	11
47-4000	Other Construction & Related Workers	1,003	1,156	153	15.3	16	18	34	n/a	n/a
47-4011	Construction & Building Inspectors	97	108	11	11.3	1	2	3	22.12	8
47-4021	Elevator Installers & Repairers	*	*	*	*	*	*	*	24.57	9
47-4031	Fence Erectors	*	*	*	*	*	*	*	14.83	10
47-4041	Hazardous Materials Removal Workers	62	75	13	21.0	1	2	3	16.46	10
47-4051	Highway Maintenance Workers	168	207	39	23.2	4	2	6	11.23	10
47-4061	Rail-Track Laying & Maint. Equipment Operators	*	*	*	*	*	*	*	n/a	10
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	*	*	*	*	*	*	*	n/a	10
47-4099	Construction & Related Workers, All Other	*	*	*	*	*	*	*	18.58	10
47-5000	Extraction Workers	114	135	21	18.4	2	3	5	n/a	n/a
47-5011	Derrick Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5012	Rotary Drill Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5013	Service Unit Operators, Oil, Gas & Mining	*	*	*	*	*	*	*	n/a	10
47-5021	Earth Drillers, Ex. Oil & Gas	57	66	9	15.8	1	1	2	n/a	10
47-5031	Explosives Worker, Ordnance Handling & Blaster	*	*	*	*	*	*	*	n/a	10
47-5041	Continuous Mining Machine Operators	*	*	*	*	*	*	*	n/a	10
47-5042	Mine Cutting & Channeling Machine Operators	*	*	*	*	*	*	*	n/a	10
47-5049	Mining Machine Operators, All Other	*	*	*	*	*	*	*	n/a	10
47-5051	Rock Splitters, Quarry	*	*	*	*	*	*	*	n/a	10
47-5061	Roof Bolters, Mining	*	*	*	*	*	*	*	n/a	10
47-5071	Roustabouts, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5081	Helpers--Extraction Workers	35	43	8	22.9	1	1	2	12.70	11
47-5099	Extraction Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Installation, Maintenance & Repair Occs.

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
49-0000 Installation, Maintenance & Repair Occupations		20,817	22,848	2,031	9.8	219	466	685	18.44	n/a
49-1000	Supervisors of Installation, Maint. & Repair	1,951	2,194	243	12.5	24	49	73	n/a	n/a
49-1011	Mgrs. of Mechanics, Installers & Repairers	1,951	2,194	243	12.5	24	49	73	24.78	8
49-2000	Electric. & Electron. Equip. Mechanics, Installer	2,975	3,122	147	4.9	17	55	72	n/a	n/a
49-2011	Computer, Auto. Teller & Office Machine Repairer	987	981	-6	-0.6	0	12	12	17.17	7
49-2021	Radio Mechanics	*	*	*	*	*	*	*	16.54	7
49-2022	Telecomm. Equip. Installers & Repairers	480	534	54	11.3	5	10	15	20.68	9
49-2091	Avionics Technicians	*	*	*	*	*	*	*	n/a	7
49-2092	Electric Motor, Power Tool & Related Repairers	176	193	17	9.7	2	4	6	19.68	7
49-2093	Electric. & Electron. Install & Repair, Transp.	*	*	*	*	*	*	*	n/a	7
49-2094	Electric. & Electron. Rep., Commercial & Industr.	408	443	35	8.6	4	9	13	18.70	7
49-2095	Electric. & Electron. Rep., Powerhouse, Substat.	*	*	*	*	*	*	*	n/a	7
49-2096	Electronic Equip. Install & Repair, Motor Vehicle	*	*	*	*	*	*	*	18.08	7
49-2097	Electronic Home Entertain. Equip. Install & Rep.	176	188	12	6.8	1	3	4	13.82	7
49-2098	Security & Fire Alarm Systems Installers	*	*	*	*	*	*	*	16.87	7
49-3000	Vehicle & Mobile Equip. Mechanics, Installers	5,330	6,162	832	15.6	83	138	221	n/a	n/a
49-3011	Aircraft Mechanics & Service Technicians	164	179	15	9.1	2	4	6	24.00	7
49-3021	Automotive Body & Related Repairers	490	536	46	9.4	5	10	15	19.94	9
49-3022	Automotive Glass Installers & Repairers	*	*	*	*	*	*	*	17.37	9
49-3023	Automotive Service Technicians & Mechanics	1,865	2,173	308	16.5	31	50	81	16.12	7
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	1,054	1,293	239	22.7	24	27	51	18.12	7
49-3041	Farm Equipment Mechanics	*	*	*	*	*	*	*	n/a	7
49-3042	Mobile Heavy Equip. Mechanics, Ex. Engines	1,008	1,173	165	16.4	17	22	39	18.58	7
49-3043	Rail Car Repairers	*	*	*	*	*	*	*	n/a	9
49-3051	Motorboat Mechanics	*	*	*	*	*	*	*	16.99	9
49-3052	Motorcycle Mechanics	*	*	*	*	*	*	*	n/a	9
49-3053	Outdoor Power Equip. & Small Engine Mechanic	166	190	24	14.5	2	4	6	14.25	10
49-3091	Bicycle Repairers	*	*	*	*	*	*	*	n/a	10
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	*	*	*	15.10	9
49-3093	Tire Repairers & Changers	340	347	7	2.1	1	14	15	9.90	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Installation, Maintenance & Repair Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
49-9000	Other Installation, Maintenance & Repair Occs.	10,561	11,370	809	7.7	94	224	318	n/a	n/a
49-9011	Mechanical Door Repairers	36	41	5	13.9	1	1	2	n/a	10
49-9012	Control & Valve Install & Repair, Ex. Mech. Door	109	116	7	6.4	1	3	4	23.52	10
49-9021	Heating, A.C. & Refrig. Mechanics & Installers	847	1,055	208	24.6	21	11	32	19.12	9
49-9031	Home Appliance Repairers	161	147	-14	-8.7	0	4	4	17.38	9
49-9041	Industrial Machinery Mechanics	1,495	1,426	-69	-4.6	0	30	30	21.30	9
49-9042	Maintenance & Repair Workers, General	5,237	5,698	461	8.8	46	101	147	16.16	10
49-9043	Maintenance Workers, Machinery	164	180	16	9.8	2	4	6	17.48	11
49-9044	Millwrights	271	270	-1	-0.4	0	7	7	n/a	9
49-9045	Refractory Materials Repairers, Ex. Brickmasons	*	*	*	*	*	*	*	n/a	10
49-9051	Electrical Power-Line Installers & Repairers	334	297	-37	-11.1	0	11	11	23.50	9
49-9052	Telecommunications Line Installers & Repairers	418	488	70	16.7	7	11	18	16.58	9
49-9061	Camera & Photographic Equipment Repairers	*	*	*	*	*	*	*	n/a	10
49-9062	Medical Equipment Repairers	238	292	54	22.7	5	7	12	19.01	6
49-9063	Musical Instrument Repairers & Tuners	*	*	*	*	*	*	*	12.10	9
49-9064	Watch Repairers	*	*	*	*	*	*	*	n/a	9
49-9069	Precision Instrument & Equip. Repairers, Other	53	60	7	13.2	1	2	3	23.97	10
49-9091	Coin, Vending & Amusement Mach. Serv. & Rep.	186	182	-4	-2.2	0	5	5	14.33	10
49-9092	Commercial Divers	*	*	*	*	*	*	*	n/a	10
49-9093	Fabric Menders, Ex. Garment	*	*	*	*	*	*	*	n/a	10
49-9094	Locksmiths & Safe Repairers	*	*	*	*	*	*	*	12.94	10
49-9095	Manufactured Building & Mobile Home Installers	*	*	*	*	*	*	*	n/a	10
49-9096	Riggers	*	*	*	*	*	*	*	n/a	11
49-9097	Signal & Track Switch Repairers	*	*	*	*	*	*	*	n/a	10
49-9098	Helpers--Installation, Maint. & Repair Workers	438	488	50	11.4	5	15	20	11.57	11
49-9099	Installation, Maint. & Repair Workers, All Other	314	357	43	13.7	4	7	11	18.71	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Occupational Employment Outlook

Production Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-0000 Production Occupations		46,662	45,920	-742	-1.6	118	1,144	1,262	16.72	n/a
51-1000	Supervisors, Production Workers	2,839	2,983	144	5.1	14	60	74	n/a	n/a
51-1011	Mgrs. of Production & Operating	2,839	2,983	144	5.1	14	60	74	23.47	8
51-2000	Assemblers & Fabricators	14,022	13,186	-836	-6.0	4	361	365	n/a	n/a
51-2011	Aircraft Structure, Surface, Rig & Sys. Assemb.	*	*	*	*	*	*	*	n/a	9
51-2021	Coil Winders, Tapers & Finishers	63	49	-14	-22.2	0	2	2	13.03	11
51-2022	Electrical & Electronic Equipment Assemblers	353	342	-11	-3.1	0	8	8	13.45	11
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	*	*	*	11.96	11
51-2031	Engine & Other Machine Assemblers	*	*	*	*	*	*	*	n/a	11
51-2041	Structural Metal Fabricators & Fitters	344	382	38	11.0	4	8	12	14.56	10
51-2091	Fiberglass Laminators & Fabricators	*	*	*	*	*	*	*	n/a	10
51-2092	Team Assemblers	6,418	6,221	-197	-3.1	0	166	166	15.33	10
51-2093	Timing Device Assemblers, Adjust. & Calibrators	*	*	*	*	*	*	*	n/a	10
51-2099	Assemblers & Fabricators, All Other	*	*	*	*	*	*	*	n/a	10
51-3000	Food Processing Workers	1,796	1,830	34	1.9	8	41	49	n/a	n/a
51-3011	Bakers	279	305	26	9.3	3	7	10	9.90	9
51-3021	Butchers & Meat Cutters	459	429	-30	-6.5	0	10	10	12.98	9
51-3022	Meat, Poultry & Fish Cutters & Trimmers	314	342	28	8.9	3	7	10	n/a	11
51-3023	Slaughterers & Meat Packers	*	*	*	*	*	*	*	n/a	10
51-3091	Food & Tobacco Roast., Baking, Dry. Mach. Ops.	44	45	1	2.3	0	1	1	n/a	11
51-3092	Food Batchmakers	181	180	-1	-0.6	0	5	5	13.94	11
51-3093	Food Cooking Machine Operators & Tenders	225	210	-15	-6.7	0	5	5	n/a	11
51-4000	Metal Workers & Plastic Workers	8,065	8,076	11	0.1	31	198	229	n/a	n/a
51-4011	Computer-Controlled Machine Tool Operators	399	403	4	1.0	0	7	7	16.38	10
51-4012	Numerical Tool & Process Control Programmers	*	*	*	*	*	*	*	20.17	9
51-4021	Extruding & Drawing Machine SOT^	291	255	-36	-12.4	0	10	10	14.66	10
51-4022	Forging Machine SOT^, Metal & Plastic	207	201	-6	-2.9	0	3	3	13.65	10
51-4023	Rolling Machine SOT^, Metal & Plastic	153	177	24	15.7	2	4	6	13.76	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Production Occupations (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-4031	Cutting, Punching & Press Machine SOT^	1,518	1,407	-111	-7.3	0	35	35	12.74	10
51-4032	Drilling & Boring Machine Tool SOT^	150	139	-11	-7.3	0	4	4	13.84	10
51-4033	Grind., Lapping, Polish. & Buff. Mach. Tool SOT^	134	132	-2	-1.5	0	3	3	15.37	10
51-4034	Lathe & Turning Machine Tool SOT^	117	144	27	23.1	3	2	5	13.60	10
51-4035	Milling & Planing Machine SOT^	65	74	9	13.8	1	1	2	12.64	10
51-4041	Machinists	886	948	62	7.0	6	21	27	18.65	9
51-4051	Metal-Refining Furnace Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-4052	Pourers & Casters, Metal	*	*	*	*	*	*	*	n/a	10
51-4061	Model Makers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4062	Patternmakers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4071	Foundry Mold & Coremakers	*	*	*	*	*	*	*	n/a	10
51-4072	Molding, Coremaking & Casting Machine SOT^	413	393	-20	-4.8	0	10	10	11.38	10
51-4081	Multiple Machine Tool SOT^, Metal & Plastic	692	668	-24	-3.5	0	19	19	14.44	10
51-4111	Tool & Die Makers	528	505	-23	-4.4	0	12	12	23.52	9
51-4121	Welders, Cutters, Solderers & Brazers	1,525	1,695	170	11.1	17	43	60	16.52	9
51-4122	Welding, Soldering & Brazing Machine SOT^	361	361	0	0.0	0	10	10	15.09	10
51-4191	Heat Treating Equipment SOT^, Metal & Plastic	68	71	3	4.4	0	2	2	14.24	10
51-4192	Lay-Out Workers, Metal & Plastic	34	35	1	2.9	0	1	1	15.58	10
51-4193	Plating & Coating Machine SOT^	88	92	4	4.5	0	2	2	12.23	10
51-4194	Tool Grinders, Filers & Sharpeners	*	*	*	*	*	*	*	n/a	10
51-4199	Metal Workers & Plastic Workers, All Other	378	319	-59	-15.6	0	9	9	n/a	10
51-5000	Printing Workers	2,683	2,637	-46	-1.7	4	65	69	n/a	n/a
51-5011	Bindery Workers	589	585	-4	-0.7	0	16	16	10.85	11
51-5012	Bookbinders	71	67	-4	-5.6	0	2	2	n/a	10
51-5021	Job Printers	146	153	7	4.8	1	3	4	n/a	9
51-5022	Prepress Technicians & Workers	612	539	-73	-11.9	0	14	14	16.88	7
51-5023	Printing Machine Operators	1,265	1,293	28	2.2	3	29	32	16.08	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-6000	Textile, Apparel & Furnishings Workers	2,139	2,150	11	0.5	13	44	57	n/a	n/a
51-6011	Laundry & Dry-Cleaning Workers	835	862	27	3.2	3	23	26	8.27	10
51-6021	Pressers, Textile, Garment & Related Materials	202	194	-8	-4.0	0	3	3	9.19	11
51-6031	Sewing Machine Operators	496	433	-63	-12.7	0	6	6	10.44	10
51-6041	Shoe & Leather Workers & Repairers	*	*	*	*	*	*	*	n/a	9
51-6042	Shoe Machine Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-6051	Sewers, Hand	*	*	*	*	*	*	*	16.63	11
51-6052	Tailors, Dressmakers & Custom Sewers	*	*	*	*	*	*	*	9.06	9
51-6061	Textile Bleaching & Dyeing Mach. Ops. & Tends.	*	*	*	*	*	*	*	n/a	10
51-6062	Textile Cutting Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-6063	Textile Knitting & Weaving Machine SOT^	*	*	*	*	*	*	*	n/a	9
51-6064	Textile Winding, Twist. & Draw. Out Mach. SOT^	*	*	*	*	*	*	*	n/a	10
51-6091	Extruding & Forming Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-6092	Fabric & Apparel Patternmakers	*	*	*	*	*	*	*	n/a	9
51-6093	Upholsterers	203	174	-29	-14.3	0	5	5	12.43	9
51-6099	Textile, Apparel & Furnishings Workers, Other	*	*	*	*	*	*	*	n/a	11
51-7000	Woodworkers	1,103	1,076	-27	-2.4	5	28	33	n/a	n/a
51-7011	Cabinetmakers & Bench Carpenters	292	316	24	8.2	2	7	9	13.01	9
51-7021	Furniture Finishers	173	195	22	12.7	2	4	6	14.56	9
51-7031	Model Makers, Wood	*	*	*	*	*	*	*	n/a	9
51-7032	Patternmakers, Wood	*	*	*	*	*	*	*	n/a	9
51-7041	Sawing Machine SOT^, Wood	85	74	-11	-12.9	0	2	2	11.27	10
51-7042	Woodworking Machine SOT^	528	463	-65	-12.3	0	14	14	13.78	10
51-7099	Woodworkers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-8000	Plant & System Operators	1,462	1,416	-46	-3.1	10	44	54	n/a	n/a
51-8012	Power Distributors & Dispatchers	*	*	*	*	*	*	*	n/a	9
51-8013	Power Plant Operators	*	*	*	*	*	*	*	n/a	9
51-8021	Stationary Engineers & Boiler Operators	161	171	10	6.2	1	3	4	21.48	9
51-8031	Water & Liquid Waste Treat. Plant & Sys. Ops.	422	474	52	12.3	5	15	20	17.14	9
51-8091	Chemical Plant & System Operators	517	402	-115	-22.2	0	16	16	26.53	9
51-8092	Gas Plant Operators	*	*	*	*	*	*	*	n/a	9
51-8093	Petroleum Pump System Ops., Refinery Ops.	*	*	*	*	*	*	*	22.55	9
51-8099	Plant & System Operators, All Other	*	*	*	*	*	*	*	n/a	9
51-9000	Other Production Occupations	12,553	12,566	13	0.1	29	303	332	n/a	n/a
51-9011	Chemical Equipment Operators & Tenders	138	122	-16	-11.6	0	4	4	n/a	10
51-9012	Separate, Filter, Clarify, & Still Machine Ops.	162	163	1	0.6	0	5	5	16.93	10
51-9021	Crush, Grind & Polish Machine Setters & Ops.	*	*	*	*	*	*	*	16.79	10
51-9022	Grinding & Polishing Workers, Hand	83	81	-2	-2.4	0	2	2	12.12	10
51-9023	Mixing & Blending Machine SOT^	532	538	6	1.1	1	14	15	16.42	10
51-9031	Cutters & Trimmers, Hand	*	*	*	*	*	*	*	8.39	11
51-9032	Cutting & Slicing Machine SOT^	424	394	-30	-7.1	0	9	9	15.35	10
51-9041	Extruding, Form, Press & Compact Mach. Ops.	426	394	-32	-7.5	0	11	11	15.39	10
51-9051	Furnace, Kiln, Oven, Drier & Kettle Ops. & Tend.	134	145	11	8.2	1	3	4	13.30	10
51-9061	Inspector, Tester, Sorter, Sampler & Weigher	2,530	2,572	42	1.7	4	58	62	15.42	10
51-9071	Jewelers & Precious Stone & Metal Workers	60	73	13	21.7	1	1	2	16.53	7
51-9081	Dental Laboratory Technicians	171	190	19	11.1	2	4	6	15.20	9
51-9082	Medical Appliance Technicians	*	*	*	*	*	*	*	n/a	9
51-9083	Ophthalmic Laboratory Technicians	57	58	1	1.8	0	1	1	10.74	10
51-9111	Packaging & Filling Machine Ops. & Tenders	1,999	1,908	-91	-4.6	0	40	40	14.40	11
51-9121	Coating, Painting & Spraying Machine SOT^	474	493	19	4.0	2	12	14	14.02	10
51-9122	Painters, Transportation Equipment	399	400	1	0.3	0	10	10	n/a	9
51-9123	Painting, Coating & Decorating Workers	105	113	8	7.6	1	3	4	11.25	11
51-9131	Photographic Process Workers	45	35	-10	-22.2	0	1	1	12.66	10
51-9132	Photographic Processing Machine Operators	210	128	-82	-39.0	0	5	5	10.00	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Production Occupations (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-9191	Cementing & Gluing Machine Ops. & Tenders	69	70	1	1.4	0	2	2	10.83	10
51-9192	Cleaning, Washing & Metal Pickling Equip. Ops.	177	182	5	2.8	1	5	6	13.07	10
51-9193	Cooling & Freezing Equipment Ops. & Tenders	*	*	*	*	*	*	*	n/a	10
51-9194	Etchers & Engravers	*	*	*	*	*	*	*	n/a	9
51-9195	Molders, Shapers & Casters, Ex. Metal & Plastic	97	105	8	8.2	1	2	3	12.20	10
51-9196	Paper Goods Machine SOT^	546	561	15	2.7	2	12	14	14.54	10
51-9197	Tire Builders	*	*	*	*	*	*	*	n/a	10
51-9198	Helpers--Production Workers	2,151	2,254	103	4.8	10	60	70	11.57	11
51-9199	Production Workers, All Other	1,286	1,274	-12	-0.9	0	31	31	15.67	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Transportation & Material Moving Occs.

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
53-0000 Transportation & Material Moving Occupations		45,074	54,195	9,121	20.2	925	1,045	1,970	13.49	n/a
53-1000	Supervisors, Transp. & Material Moving Work.	2,613	3,381	768	29.4	77	61	138	n/a	n/a
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	n/a	8
53-1021	Mgrs. of Helpers, Laborers & Mat. Movers, Hand	1,220	1,559	339	27.8	34	29	63	16.10	8
53-1031	Mgrs. of Transp., Material-Moving & Vehicle Ops.	1,094	1,366	272	24.9	27	26	53	21.46	8
53-2000	Air Transportation Workers	163	184	21	12.9	2	4	6	n/a	n/a
53-2011	Airline Pilots, Copilots & Flight Engineers	*	*	*	*	*	*	*	n/a	5
53-2012	Commercial Pilots	*	*	*	*	*	*	*	n/a	7
53-2021	Air Traffic Controllers	92	91	-1	-1.1	0	2	2	n/a	9
53-2022	Airfield Operations Spec.	*	*	*	*	*	*	*	n/a	9
53-3000	Motor Vehicle Operators	16,604	20,662	4,058	24.4	406	245	651	n/a	n/a
53-3011	Ambulance Drivers & Attendants, Ex. EMTs	*	*	*	*	*	*	*	n/a	10
53-3021	Bus Drivers, Transit & Intercity	1,045	1,226	181	17.3	18	23	41	17.38	10
53-3022	Bus Drivers, School	334	393	59	17.7	6	7	13	11.13	11
53-3031	Driver/Sales Workers	2,280	2,560	280	12.3	28	37	65	10.16	11
53-3032	Truck Drivers, Heavy & Tractor-Trailer	7,989	10,119	2,130	26.7	213	131	344	16.44	10
53-3033	Truck Drivers, Light or Delivery Services	4,140	5,375	1,235	29.8	124	38	162	14.11	11
53-3041	Taxi Drivers & Chauffeurs	444	564	120	27.0	12	4	16	8.98	11
53-3099	Motor Vehicle Operators, All Other	368	420	52	14.1	5	5	10	17.08	11
53-4000	Rail Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-4011	Locomotive Engineers	*	*	*	*	*	*	*	n/a	10
53-4012	Locomotive Firers	*	*	*	*	*	*	*	n/a	10
53-4013	Rail Yard Engineers, Dinkey Ops. & Hostlers	*	*	*	*	*	*	*	n/a	10
53-4021	Railroad Brake, Signal & Switch Operators	*	*	*	*	*	*	*	n/a	10
53-4031	Railroad Conductors & Yardmasters	*	*	*	*	*	*	*	n/a	10
53-4099	Rail Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	10
53-5000	Water Transportation Workers	82	87	5	6.1	1	3	4	n/a	n/a
53-5011	Sailors & Marine Oilers	32	37	5	15.6	1	1	2	13.04	11
53-5021	Captains, Mates & Pilots of Water Vessels	42	41	-1	-2.4	0	1	1	19.18	8
53-5022	Motorboat Operators	*	*	*	*	*	*	*	n/a	10
53-5031	Ship Engineers	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

KIPDA Area

Transportation & Material Moving Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
53-6000	Other Transportation Workers	749	755	6	0.8	8	25	33	n/a	n/a
53-6011	Bridge & Lock Tenders	*	*	*	*	*	*	*	n/a	11
53-6021	Parking Lot Attendants	322	262	-60	-18.6	0	10	10	8.34	11
53-6031	Service Station Attendants	208	226	18	8.7	2	9	11	9.15	11
53-6041	Traffic Technicians	*	*	*	*	*	*	*	n/a	11
53-6051	Transportation Inspectors	86	81	-5	-5.8	0	2	2	37.90	8
53-6099	Transportation Workers, All Other	*	*	*	*	*	*	*	14.08	11
53-7000	Material Moving Workers	24,590	28,908	4,318	17.6	433	700	1,133	n/a	n/a
53-7011	Conveyor Operators & Tenders	*	*	*	*	*	*	*	15.73	11
53-7021	Crane & Tower Operators	219	265	46	21.0	5	5	10	18.11	9
53-7031	Dredge Operators	*	*	*	*	*	*	*	n/a	10
53-7032	Excavating & Loading Machine & Dragline Ops.	144	175	31	21.5	3	4	7	16.20	10
53-7033	Loading Machine Ops., Underground Mining	*	*	*	*	*	*	*	n/a	10
53-7041	Hoist & Winch Operators	*	*	*	*	*	*	*	n/a	10
53-7051	Industrial Truck & Tractor Operators	3,444	4,052	608	17.7	61	65	126	14.46	11
53-7061	Cleaners of Vehicles & Equipment	1,181	1,270	89	7.5	9	41	50	11.19	11
53-7062	Laborer & Freight, Stock & Material Mover, Hand	14,476	17,635	3,159	21.8	316	473	789	11.79	11
53-7063	Machine Feeders & Offbearers	1,462	1,576	114	7.8	11	40	51	n/a	11
53-7064	Packers & Packagers, Hand	3,252	3,491	239	7.3	24	61	85	9.46	11
53-7071	Gas Compressor & Gas Pumping Station Ops.	*	*	*	*	*	*	*	n/a	10
53-7072	Pump Operators, Ex. Wellhead Pumps	*	*	*	*	*	*	*	n/a	10
53-7073	Wellhead Pumps	*	*	*	*	*	*	*	n/a	10
53-7081	Refuse & Recyclable Material Collectors	249	270	21	8.4	2	6	8	11.01	11
53-7111	Shuttle Car Operators	*	*	*	*	*	*	*	n/a	11
53-7121	Tank Car, Truck & Ship Loaders	*	*	*	*	*	*	*	18.57	10
53-7199	Material Moving Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Educational/Training Classifications

Occupations are classified into 11 categories and listed according to these principles:

An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.

Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.

The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a postsecondary award generally is needed for entry.

Postsecondary awards

(1) *First professional degree.* Completion of the degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

(2) *Doctoral degree.* Completion of a Ph.D. or other doctoral degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

(3) *Master's degree.* Completion of the degree usually requires one or two years of full time academic study beyond a bachelor's degree.

(4) *Bachelor's or higher degree, plus work experience.* Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

(5) *Bachelor's degree.* Completion of the degree generally requires at least four years, but not more than five years, of full-time academic study.

(6) *Associate's degree.* Completion of the degree usually requires at least two years of full-time academic study.

(7) *Postsecondary vocational awards.* Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

Work-related training

(8) *Work experience in a related occupation.* Many occupations requiring work experience are managers of service, sales and related, production, or other occupations, or are management occupations.

(9) *Long-term, on-the-job training.* More than 12 months of on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to five years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations - insurance sales and securities sales, for example - trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability - such as that possessed by musicians, athletes, actors, and other entertainers - that must be cultivated over several years, frequently in a nonwork setting.

(10) *Moderate-term, on-the-job training.* Skills needed to be fully qualified can be acquired during one to twelve months of combined on-the-job experience and informal training.

(11) *Short-term, on-the-job training.* Skills needed to be fully qualified can be acquired during a short demonstration of job duties or during one month or less of on-the-job experience or instruction.

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Aerospace Engineers	15
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Agricultural Inspectors	37
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Cashiers	34
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Chefs & Head Cooks	30
Chemical Engineers	15
Chemical Equipment Operators & Tenders	45
Chemical Plant & System Operators	45
Chemical Technicians	18
Chemistry Teachers, Postsecondary	21
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Child, Family, & School Social Workers	19
Chiropractors	26
Choreographers	24
Civil Engineering Technicians	16
Civil Engineers	15
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